

OUTLINES

OF

A COURSE OF LECTURES,

ON THE

PRACTICE OF MEDICINE;

DELIVERED IN .

THE MEDICAL SCHOOL

OF

Guy's Hospital.

BY

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OF THE MEDICAL, THE MEDICAL AND CHIRURGICAL,
THE GEOLOGICAL, AND THE PHILOSOPHICAL
SOCIETIES OF LONDON; AND
SENIOR PHYSICIAN TO THE HOSPITAL.

Ut indocti discant, et ament meminisse periti.

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OUTLINES

OF

A COURSE OF LECTURES.

&c:

- 1. Disease commonly defined to be,—Any variation from the most perfect and healthy state of the several organs and functions of the living body.—Such definition shewn to be too general;—few if any persons having every organ and function in the most perfect state.—Remarkable disparity between mental and corporeal powers in the same person, shewn in the examples of many celebrated men.—Considerable variety even in bodily functions, compatible with health.
 - 2. Health and Disease, then, relative rather than positive terms;—and respect the individual as compared with the generality of men, and with himself at different times.

 —Practical definition of disease,—An uneasiness,—excess,—or defect, in one or more of the functions of the body or mind,—recurring so often, or continuing so long, as to demand medical assistance.
 - 3. Organs of the body numerous, and their connexions various;—of course, many different forms and degrees of disease,—each requiring appropriate treatment.—Hence the necessity of accurately distinguishing them from each

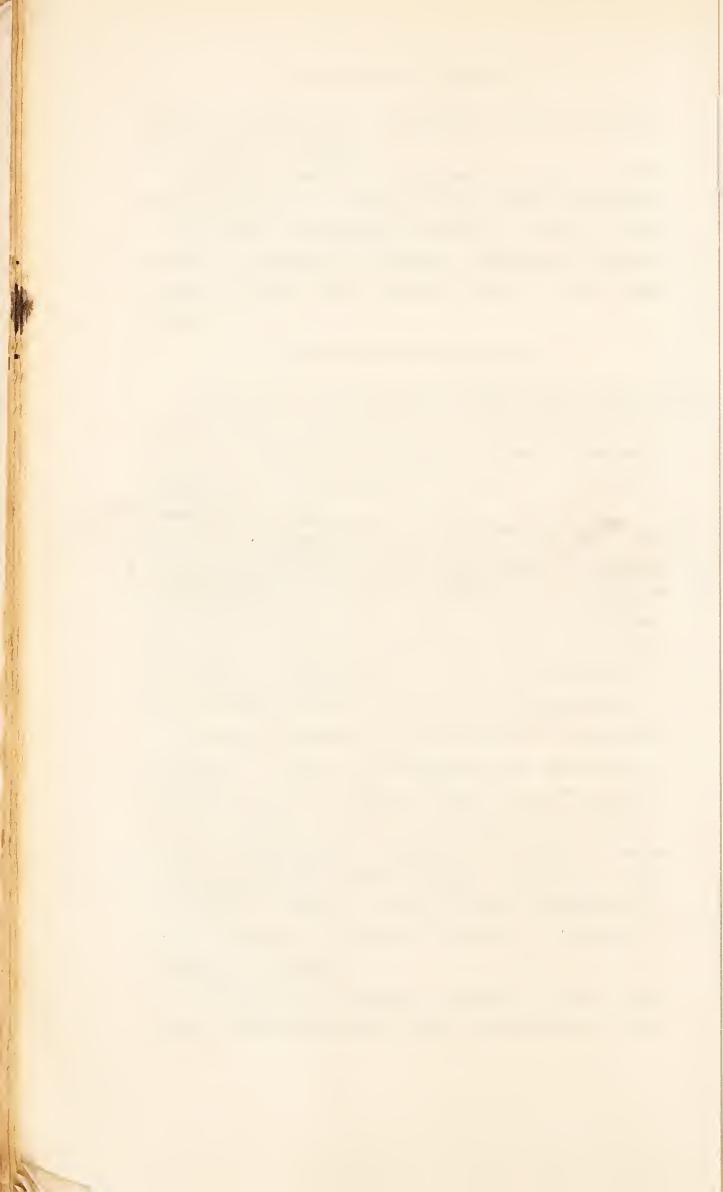
other by certain signs or characters; which constitutes the science of Nosology.

4. Different modes of arrangement proposed by different Nosologists,—each possessing certain advantages.—Dr. Cullen's arrangement preferred, as being on the whole most adapted to practical application.—General outline of this, with remarks upon its merits and defects.

OF FEVER IN GENERAL.

- 5. Fever the most general of all morbid states;—being common to both sexes,—to every period of life,—and to all climates and countries:—hence Sydenham's calculation of the proportion who die of it, probably under-rated.
- 6. Has claimed the attention of practitioners and writers in all ages.—Opinions concerning it, of course, extremely different.—Very universally, however, divided into primary and secondary;—the first arising from general causes, operating on the body at large;—the other depending on inflammation or other local affection:—hence distinguished into Idiopathic and Symptomatic.
- 7. General symptoms of *Idiopathic* Fever;—increased frequency of pulse,—preternatural heat, preceded by sensation of cold,—feeling of languor, lassitude, and general uneasiness:—pain of head, back, and limbs:—memory and judgement confused and indistinct;—senses of taste, smell, touch, &c. altered or impaired:—want of appetite,—defect of saliva,—thirst;—discolouration of the tongue;—respiration frequent and anxious:—changes in the urine.
- 8. Many other symptoms occasionally attend;—but those enumerated general and characteristic.—Great

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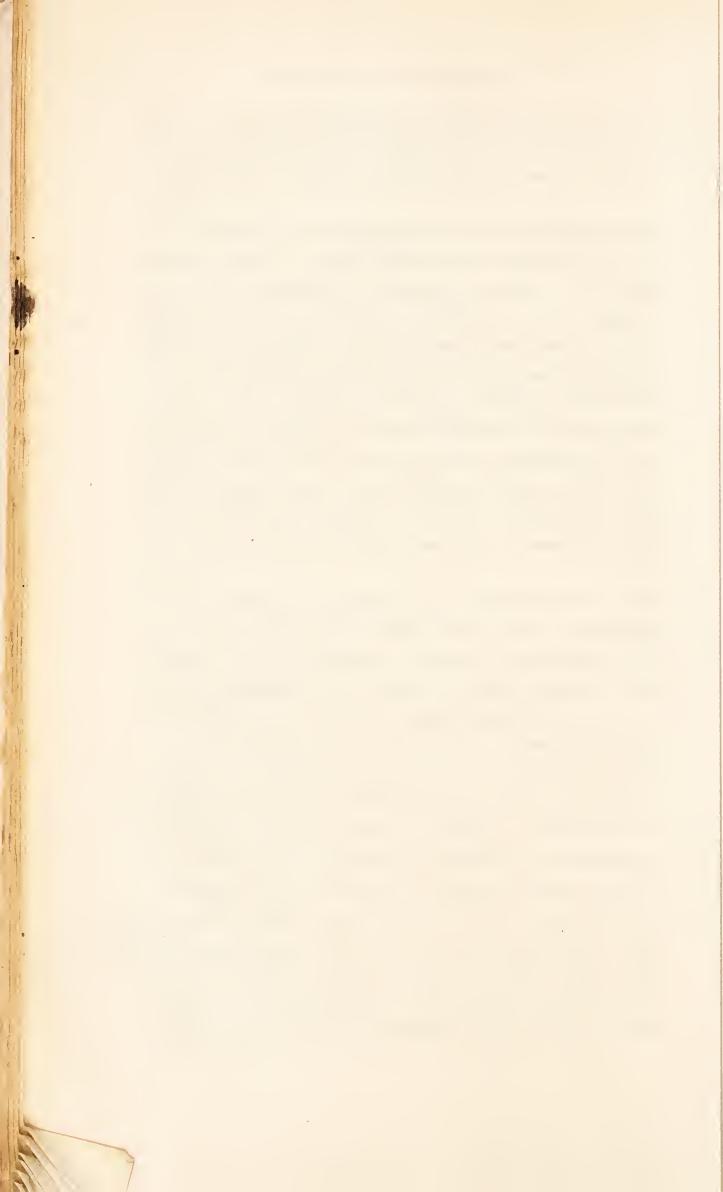
variation even in these;—hence a desideratum to ascertain some one as characteristic, and always present.—Reasons why we ought not to expect this.—Pain the only symptom that of itself amounts to disease;—but pain common to almost every disease;—so that when alone, it requires a negative character to distinguish its nature.

- 9. Useless to state the various notions entertained respecting fever by different writers, from the time of Hippocrates down to the present age.—Boerhaave the first who investigated the subject rationally:—found three symptoms to occur in every fever during its course, viz.—chilliness,—quickened pulse,—and increased heat;—but fixed on the second of these as the single essential symptom uniformly present.—His error pointed out.—Slight chilliness often passes unnoticed by patients:—frequency of pulse readily ascertained, and therefore seldom overlooked by the physician;—but not constantly present.
- 10. Increase of heat considered by the ancients as the characteristic of fever—proved by their names πυζετὸς and febris;—and certainly necessary to complete the febrile paroxysm, though often absent for some time.
- 11. Chilliness,—quickened pulse,—and increased heat, then, common to all idiopathic, and to many symptomatic fevers, especially at their commencement;—and generally occur in the order mentioned.—Objections to this noticed.—Singular case related by Morgagni.—Exacerbation of remitting fever often without chilliness;—but the disease then fully formed, and approaching to the state of continued fever,—which may be considered as having only one paroxysm during its course.
 - 12. Another symptom, not less essential to idiopathic

fever, is - general uneasiness, pervading every part : -- this strongly portrayed in the countenance in some fevers; in others shewn by perpetual restlessness and change of posture.

- 13. Difficulty attending definition of disease, from the different views of writers and teachers respecting it.—A strictly logical definition perhaps impossible.—Practical distinctions alone of use; and disease to be characterized only by the concourse and succession of symptoms.—Illustration of this in the examples of small-pox, measles, and epidemic catarrh.—Accurate distinction particularly necessary in febrile disorders, from the great variety of their kinds, and from the appropriate treatment necessary even in the different stages of the same case.—Efficacy of opposite remedies reconcileable with the belief of there being something in common to all fevers.
- 14. Difficulty of framing any definition,—or short character,—which will include every variety that may occur: - yet such character necessary, especially for the young practitioner, till rendered familiar with the varieties in fever, and expert in distinguishing them.
- 15. Paroxysm of intermittent the most perfect example of the febrile state, both in distinctness and order of symptoms.—Description of its symptoms: indolence—yawning—and stretching;—diminution of muscular force; -- paleness and dejection of countenance, -hands cold to the touch; -features contract, and extremities shrink, and become livid: -constriction of us is enably skin, producing cutis anserina and horripilatio:-feeling of general coldness,-and soon after actual diminution of temperature - accompanied with frequent chills, - and occasional shudders, - which become more







if the secretions are diminished during the two first stages, but ne turn to their matures state during the last. ig and the appearance of things floating before the Eyes, which is enterinty owing to a torpor

frequent and considerable,—and at last end in universal shaking.

- 16. After longer or shorter continuance of cold and shivering, the heat gradually returns, and rises even above 98°, though the patient still feels a sensation of cold; but soon perceives transient flushings,—beginning in face and neck, and alternating with chills,—but gradually extending, and growing more considerable and universal, and at last becoming dry burning heat all over, with great restlessness, and often violent head-ach.—During this progress in temperature, the surface not only acquires natural colour, and shrunk parts their usual size, but become even redder and more turgid than natural.
- 17. Lastly, moisture begins on face and neck; gradually extending, and becoming general perspiration or sweat.—As sweat flows the heat abates; and when ended, body restored to natural temperature, and functions in general to nearly their usual state.
- 18. Symptoms enumerated (15, 16, 17) as constituting entire paroxysm, obviously divide themselves into three stages, viz.—the cold,—hot,—and sweating stages:—these accompanied by various other phenomena, that illustrate the several changes, and throw light on the nature of fever in general.
- shewn by diminished sensation of eye, ear, taste, touch; —by impaired state of recollection and judgement; —by state of pulse at first slower, always weaker than ordinary, and often irregular; —by diminished secretion, want of saliva, —scanty, colourless, and inodorous urine; which dryness of issues, ulcers, &c.; —by short and anxious respiration; —by loss of appetite, and occasionally sickness and vomiting. Which he feel the leaves on of the last of tager;

norsk so ofco and becomes even more acute than before, especially to light and noise:—ulcers and other diseased parts grow more painful.—Mental faculties likewise restored; but times become thought hurried and confused, sometimes even to demonstrate thought hurried and confused sometimes even to demonstrate the sufferings.

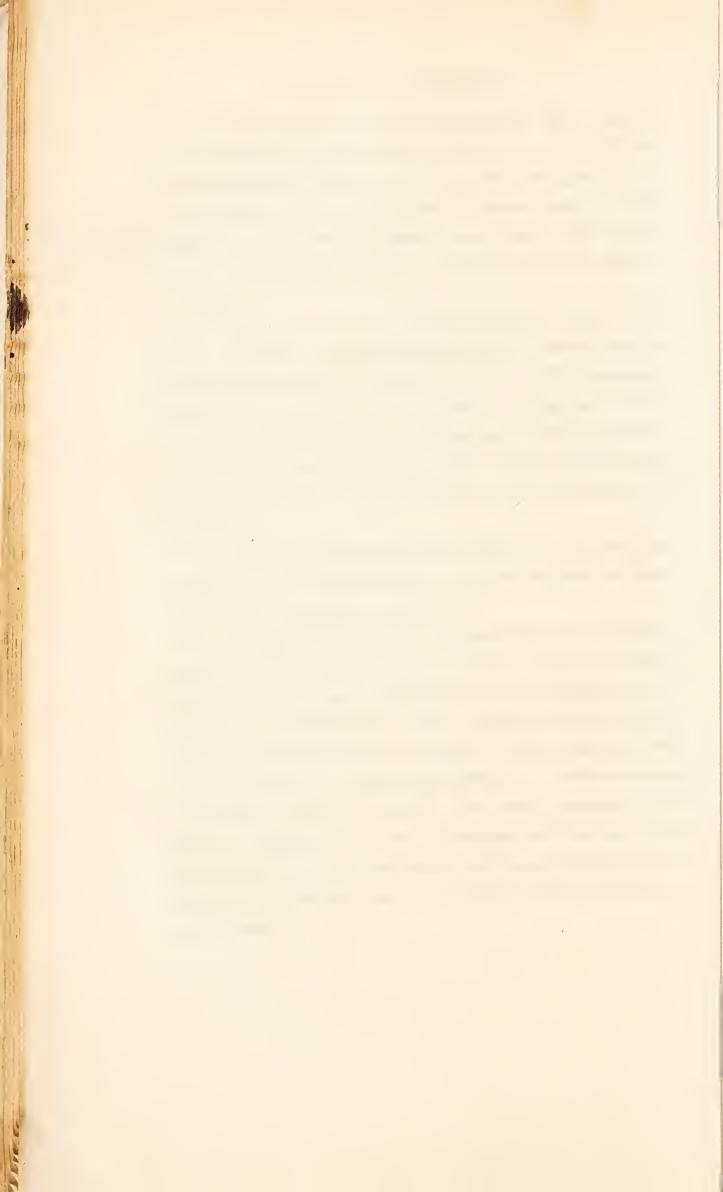
21. Pulse in the mean time becomes regular, distinct, and full:—and in robust habits, or when pain or inflammation attend, often hard;—but still frequent, though less so than in cold stage.—Respiration also more free and full,—but still rather frequent and oppressed, till sweat takes place, which carries off the heat of skin, and with it the restlessness and oppression of breathing.

22. Such the assemblage and train of symptoms that usually occur in intermitting fever; but subject to great

variety both in degree and number.

23. Change in Urine also requires notice, as anciently connected with theory of concoction; and still much attended to by some, as assisting to form judgement of solution or termination of the disease:—Urine during cold stage, nearly devoid of colour, smell, or taste,—and shews no cloud or sediment on standing.—As heat comes on, arterial action increased, and urine assumes high colour; though still scanty and without sediment.—But when sweat has continued some time, and arterial action abates, the colouring matter deposited in red or lateritious sediment.









General Divison of Fevers.

- 24. Fevers variously divided; ex. gr. 1. into endemic, epidemic, and sporadic;—2. from their causes, into marsh fevers, contagious fevers, &c.:—3. from the nature and violence of their symptoms, into inflammatory, bilious, nervous, putrid, and malignant;—4. from the greater or less distinctness of their paroxysms, into intermitting, remitting, and continued, fevers.—Explanation of these terms:—all have their use; but several too vague to found any distinction upon.—Endemic, epidemic, and sporadic, occasionally applicable to most fevers.—Putrid and malignant not exclusively appropriate to any one kind.—Intermitting, Remitting, and Continued the least ambiguous denominations: these again distinguished by their particular symptoms.
- 25. Explanation of the terms intermitting, remitting, and continued fever.—Chilliness at each exacerbation not necessary to constitute true remittent.
- 26. Continent fever of authors,—their description of it.—Its existence denied by Cullen, De Haen, and the best modern authorities,—and in itself shewn to be improbable.
- 27. Individual nature of idiopathic fever argued from the spontaneous change of quartan into tertian,—tertian into quotidian,—quotidian into remittent,—and remittent into continued fever;—together with the occasional reverse of this.—Such changes, however, when complete not merely spontaneous; but occasioned by the co-operation of their respective causes, as heat, contagion, marsh-mi-asmata, &c.—Dr. Cullen's observations on this subject, and his candour pointed out.

General Causes of Fever.

The former again distinguished into predisposing and occasional.—The predisposing, however, rather facilitate the operation of the occasional, than of themselves capable of inducing fever;—such are—constitution,—errors in diet,—fear,—cold, &c.:—while the occasional seldom fail to excite fever, when applied in a high degree, however slight the predisposition,—ex. gr. marsh-miasmata, and contagion.

29. This distinction useful, though not always clear; —several of the *predisposing* causes being, in certain cases, capable of inducing actual fever; —while the occasional ones sometimes lie dormant, till roused into activity by the accidental occurrence of fear, cold, grief,

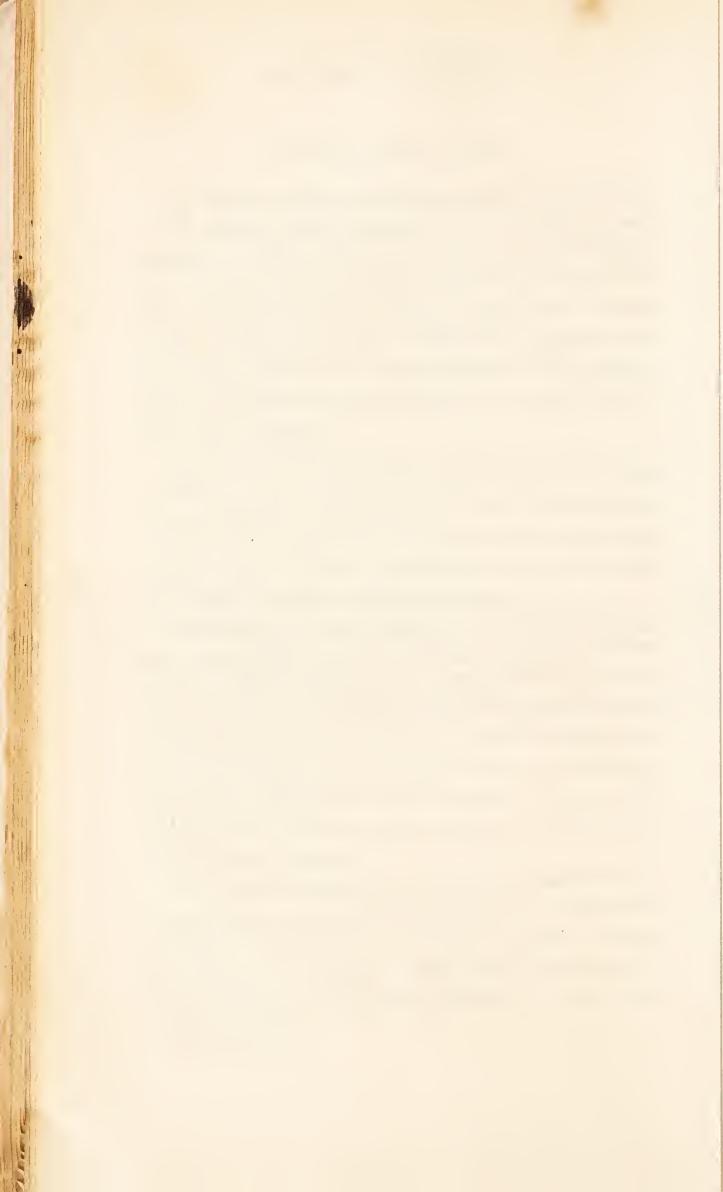
&c. which thus become exciting causes.

cular irritability:—much aided by a certain cachectic state of solids or fluids,—as scrophulous and scorbutic, occasioning acrimonious state of the secretions, especially of the intestinal canal.—Proofs of this in the rapid progress and malignant form of febrile state in such persons, even when arising from common causes.—Hence certain denominations of fever, such as—gastric,—intestinal, &c. used by some authors.

'31. Certain constitutions, though not marked by any external signs, appear peculiarly liable to be affected by particular causes of fever.—Daily examples of this in the instance of contagion.—Remarkable example of the same with respect to marsh miasmata, in the case of two

young physicians.

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33 fr. Pr. C. was evolved when the thought the se proverled freedishoring Cause of Seven, he should answer, that state which follows excess in the use of though Eignions.

- 32. Plethora and inanition, though directly opposite, yet both favour the operation of certain causes of fever; —plethora predisposing to fevers of the inflammatory and bilious kind,—while inanition predisposes to intermittents, and to the low or nervous fever from contagion.
- 33. Errors in diet.—Excess in animal food predisposes to fevers of high action; -while vegetable food, especially if poor in kind, favours those of the intermitting and contagious sort.—Effects of these different kinds of food considerably dependant upon original constitution, and also upon present habit of body; -so that each may be useful under certain circumstances in preventing fever. -These circumstances pointed out, and the kind of food and management proper under them, shewn.-Food of difficult digestion universally injurious :- exemplified in the febrile state taking place after its use in delicate persons,—and in that which follows a debauch even in the strongest.—Power of custom in lessening the effects of excess in the use of strong liquors; -hence temperate persons more liable to fever from occasional debauch, than habitual drunkards are.
- 34. Sudden or considerable alternation of temperature—of all others the most frequent obvious cause of feverish indisposition of the catarrhal kind, especially in this variable climate: hence the denomination of a COLD, usually given to such indisposition.
- 35. Cold merely a relative term, and strictly signifying a greater or less privation of HEAT;—but its meaning in ordinary language, founded on the common feelings of men,—and therefore, as far as respects the living body, must be referred to these as a standard.
- 36. The living human body endowed with power of generating or evolving a degree of heat considerably

above the ordinary temperature of the atmosphere;—and, during health, this degree is pretty uniformly 98° of Fahrenheit, though external temperature varies greatly.—Hence evident power in the living body, of regulating the evolution of heat, according to the demand made from without.

37. In physical sense, every temperature of the air or other surrounding medium below 98°, might be denominated cold; but not so with regard to feeling and to health; and a degree much lower, viz. from 60° to 70°, the most grateful and invigorating.—This wisely ordered, to suit the general temperature of the habitable globe, and to allow the evolution of heat consequent upon man's

exertions, and necessary to his well-being.

38. General denominations of temperature:—From 60° to 64° admits with ease and safety every exertion necessary either to man's subsistence or pleasure; hence named temperate:—the higher degrees up to 70°, called warm; and all above that, hot.—Of the inferior range, a few degrees under 60° is termed cool;—and all below, cold.—Considerable difference, however, among men in health, in assigning names to particular degrees or portions of thermometric scale,—according to their respective power of evolving heat, as depending on original constitution, and on habit.—Illustration of this in the effects of sudden and considerable change of climate, or of temperature.—The natural power of regulating animal heat limited; and considerable change to be safe should be gradual.

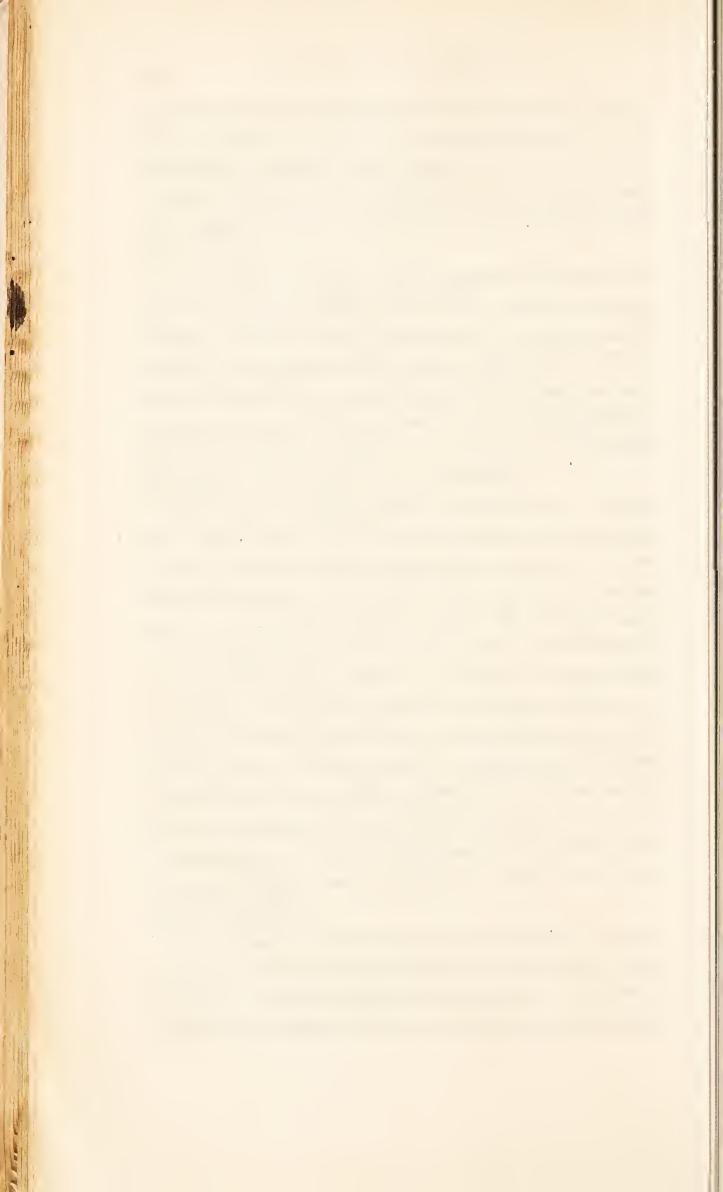
39. Power of cold on living body twofold, viz. absolute and relative.—Absolute power of cold that by which it uniformly tends to reduce the temperature of the body below the standard of 98°, by abstracting heat faster





than it can with ease be evolved.—Balance readily maintained at temperature of 60°,—but very low temperatures exhaust the calorific powers.—Example of this partially, in frost-nipping; and generally, in death of whole body, from intense cold;—proving, that animal heat is not merely a chemical process, but depends also on the living principle.

- 40. Absolute and relative power of cold, or its sedative and stimulant effects, illustrated by the operation of the cold bath upon a delicate and upon a vigorous man:—producing in the latter glowing warmth and increased strength;—in the former chilliness and shivering, followed by burning heat,—in short, febrile paroxyms.
- 41. Such paroxysm the simplest example of febrile state:—generally subsides like ephemera,—or if it remain, assumes the continued form of catarrh, with inflammatory constriction of exhalant vessels, and diminished discharge from skin.—Explanation of the common opinion—that such feverish state depends on the perspirable matter being retained.
- 42. Similar febrile disorder the usual consequence of a person being exposed to air of considerably different temperatures, in quick succession; and especially if change from hot to cold.—Is generally accompanied with local inflammatory affection of one or other part, according to circumstances of exposure, or particular susceptibility;—occasioning different degrees and forms of catarrh,—ophthalmia,—angina,—pneumonia,—rheumatism, &c.
 - 43. Morbid effects of cold greatly increased, if applied to the body when overheated and in copious perspiration.—Hence the serious disorder often caused even by grateful coolness of atmosphere under such state of





body;—but mischief still more violent when the transition is sudden and great,—as from drinking very cold liquors.—Examples of this from Dr. Rush, Dr. Currie, and others, with the most effectual means of lessening or

preventing the dangerous consequences.

44. Sensation of cold generally felt when change of temperature produces morbid effects. Neither sensation nor effects of cold proportioned to its absolute degree,—but rather to previous sensation of heat, and to capacity of bearing the change.—Hence opposite sensations from same temperature at different times,—or even at same time in different parts;—illustrated by experiment with two vessels of water of different temperatures.

45. Such sensations, however, not permanent, unless the higher temperature be above 62°, and the lower one under that degree :—illustrated by the Buxton water, which becomes either a cool or tepid bath according to

the time of immersion.

- 46. Power of Cold different according to circumstances either in respect to the cold itself, or to the person to whom it is applied.—Difference from—1st, the intensity of the cold;—2d, from period of its application;—3d, from its being accompanied with moisture, and evaporation;—illustrated by Dr. Currie's account of shipwrecked mariners;—nevertheless, bad effects of moisture denied by some;—4th, from cold being applied with current of air;—lastly, from its being a sudden vicissitude.—Dr. Wintringham's opinion,—that epidemics arose from vicissitude alone,—examined, and shewn to be erroneous.
- 47. Circumstances respecting the person himself, which render him more liable to be hurt by cold;—1st, defect of calorific power from—fasting,—evacuations,

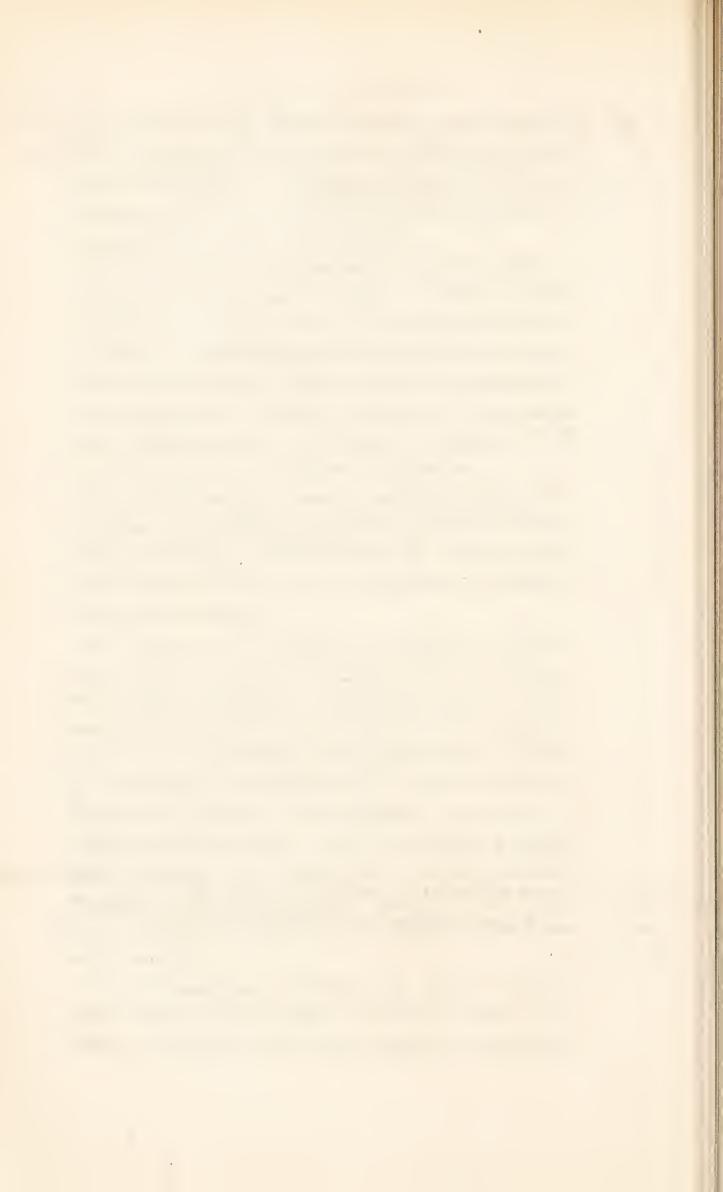
1.3 The best aimedy for the effects produced by mint.
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in large doses as by to 3/s.

to Episomies defined on a certain condition of the atmotheme but what that condition is, has not been discovered.

The suit to the Liver, the consequence of which will be a red under of Bile, there it is, that is that Bilions Complaints are so prevalent.

—fatigue,—debauch,—excess in venery,—long watching,—much study, and consequently sedentary life;—rest immediately after violent exercise;—state of sleep;—preceding disease:—2dly, from the whole or part of the body being deprived of its usual covering;—one part being exposed, while the rest are kept warmer than usual;—the sensibility of the individual, or of the particular part exposed.—Remarks upon each of these circumstances.

- 48. The power of the circumstances enumerated (47) in favouring the operation of cold, confirmed by attending to those which enable persons to resist its morbid effects;—which are,—vigorous constitution, especially with respect to the heart and arteries;—exercise;—use of cold bath;—employment of cordials;—operation of active passions;—habit of exposure;—certain states of morbid excitement of the brain and nerves, as in mania.
- 49. Sudden and considerable alteration of temperature most readily productive of febrile state,—and especially that from a high to a much lower degree of heat.—But continued application of heat considerably above 62°, disposes to febrile condition, and greatly modifies that already present.—Operation of external heat double;—1st, stimulating the nerves, and increasing the velocity of circulation;—2d, preventing or lessening certain chemical exchange of principles, made in the course of the circulation under a lower temperature, and found conducive to vigorous health.—Circulation through the hepatic system especially affected by this; giving rise to certain states of disease particularly noticeable in warm climates, and perhaps too much overlooked by practitioners in the colder ones.





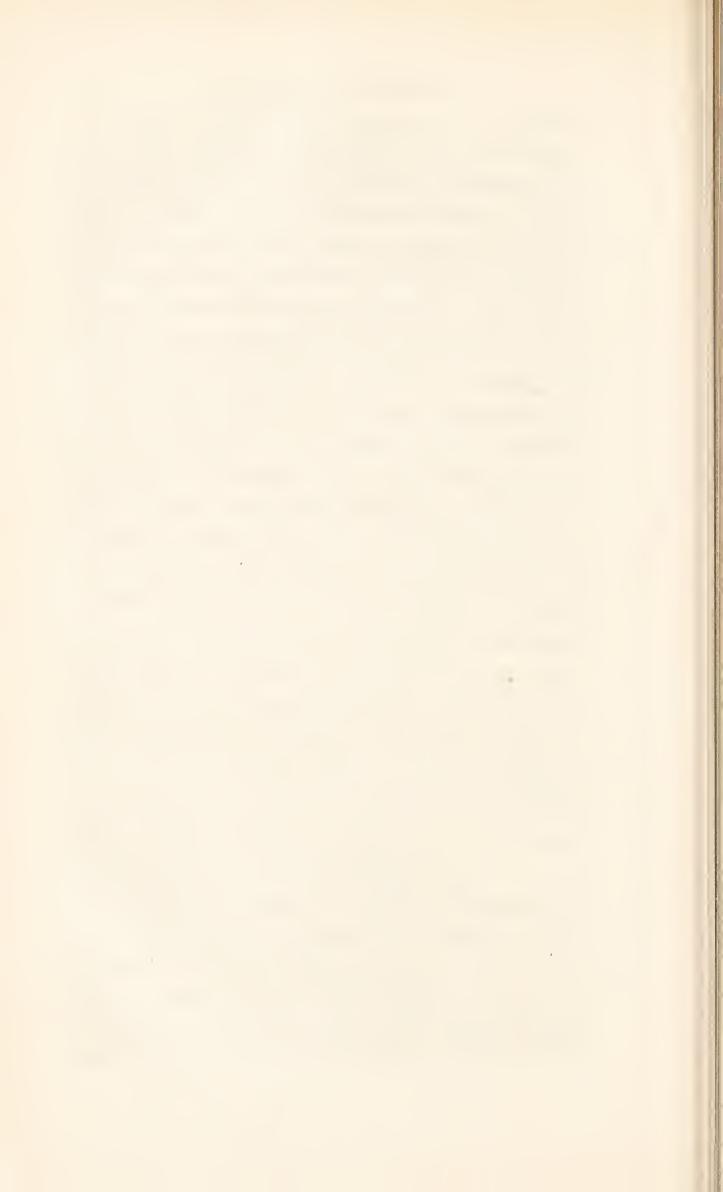
- 50. Other causes which predispose to, or actually excite fever.—Certain intemperies of the atmosphere, independent of its sensible qualities.—Sydenham's remarks on this; and his consequent division of fevers into stationary and intercurrent.—Inquires how far the same constitution of atmosphere continuing for a number of years, accords with modern observation: - Each year appears to have certain marked character in its diseases, generally differing from the preceding or following one. -The cause assumed by him, viz. a change in bowels of the earth, was altogether hypothetical in his time, though not improbable now.—Chemical composition of atmosphere now well known; -but its effects on man very different, though its eudiometrical properties the same. - Do not the differences depend rather upon the mode or degree of combination between its ingredients, than upon their absolute quantities, or their proportions in it as a simple mixture?—Perhaps the particular electric state of atmosphere, as connected with nervous or Galvanic influence, may have considerable power in occasioning healthy or morbid effects from atmosphere:—in this view, Sydenham's conjecture may be true.—Accurate register of such changes connected with history of the season and prevailing diseases, still wanting.—Occurrence of catarrh in considerable district, without proof of contagion, or any unusual change in sensible qualities of atmosphere.
- 51. Effluvia of marshes, called Marsh Miasmata, the most common cause of intermitting and remitting fever—These effluvia very different from mere watery exhalations;—many moist situations being free from intermitting fevers. Precise nature of the Marsh Miasmata little known;—being void of odour or other sensible





quality.—Macerating moisture and heat, which favour the rapid decomposition of vegetable and animal matter, especially necessary to its production.—Operation of heat shewn, by the more noxious effects of marsh effluvia in warm than in cold climates and seasons;—and especially in autumn, when heat is often greatest, and many vegetables spontaneously die and rot.—Animal putrefaction less aiding perhaps than might be supposed; for alone it has little effect on certain trades, as skinners, tanners, &c.—Effluvia from gangrenous decomposition, perhaps an exception.

- 52. Not every kind even of vegetable decomposition that yields febrific miasms.—Remarkable exception in peat; which is antiseptic.—Septic vegetable decomposition, then, the cause; -- and hence explanation of fact observed,—that in the autumn of very wet summers, intermittents have occurred in high, and at other times dry situations, though not observed before or since.-Instances of this in certain high parts of Northamptonshire in the year 1782, which was remarkable for its wetness.—Same principle explains why the mud of great African rivers, which abounds in decomposed animal and vegetable matter, becomes, when exposed by drought, remarkable for occasioning remitting and intermitting fevers.—Hence the periodical fevers at Cairo on retiring of the Nile.—Similar effects on the Guinea coast; but less at the gradual drying up of the rivers, than at the sudden re-moistening of the dried mud, by general fall of periodic rains.—Country often half depopulated then; and some parts quite deserted from that cause.
- 53. Marsh or Phytoseptic miasma not capable, like Contagion, of attaching itself to clothes, &c.; but speedily dissipated and rendered harmless.—Proofs of this at





Batavia, Bencoolen, and other places.—Instances of sensible difference from removing ships only half a cable's length farther off shore.

- 54. All land winds contain more or less miasmata.— Proofs of this in a remark made by naval officers:— illustrates the observation of sensible difference in salubrity between the windward and leeward side of West-India islands.
- 55. Contagion—defined.—Applied in certain degree, is of itself capable of inducing fever in any constitution.— Question considered, whether contagion is propagated only by communication,—or can be generated de novo.— All contagions certainly capable of multiplying themselves under disease;—and some evidently propagated in that way only; -but others appear to be produced spontaneously under certain circumstances.—Great difficulty respecting the origin of certain specific contagions:—appear to have begun in particular countries at very remote periods, and under peculiar circumstances, so that if once destroyed might never again arise.-No ground, however, to hope for this in typhus, plague, dysentery, and other contagious febrile diseases that occur more than once during life.—Can men carry these contagions always about them, and only become susceptible of their influence under certain circumstances?—Sir J. Pringle's observations on the rise of contagion in crowded hospitals.— Circumstances which particularly favour the production or virulence of typhus contagion; -illustrated by comparative mortality in convict transports and in slave ships: -the difference perhaps, in part, owing to the higher temperature through the whole voyage of the latter ships, which dissipates contagion; but not entirely so, as typhus contagion may be rendered highly virulent and

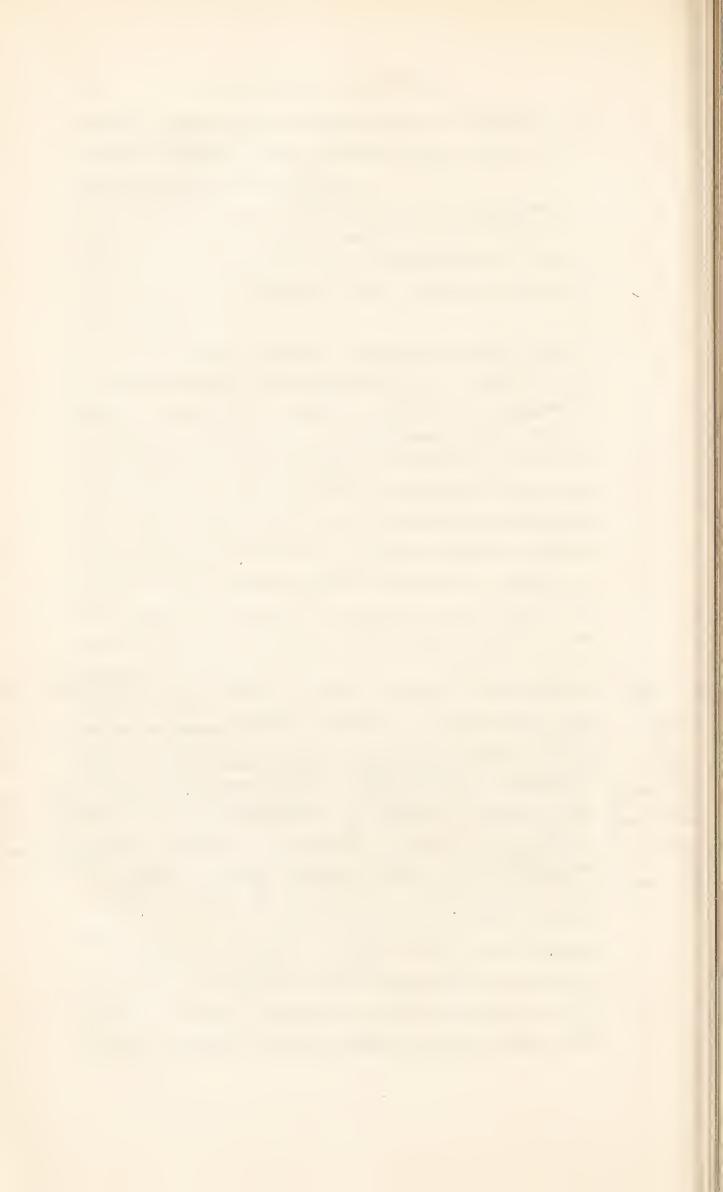
There there are a number of Persons collected tope there is a mall space, under a definessing state of Mind, there is a neglect of proper clear lines and free bound that for which to the Clother of such People, and their being emood will affect others who come within it, affective, a was ries touch in the black lefring at Beford

The Interior of Suthing in Children will frequeently cause spaceing the Gure, but sometimes it has continued or long before the Gum was lanced, that it will remain for mouses about it was like time, and this will frequently return in after life in the form of Spilepoy, here then you have an infectious even in hot climates.—Account of the Boulam Fever,—Malignant Yellow Fever of the West Indies, North America, and Spain.

56. Fear—and excess in venery—also remote causes of fever;—while firmness of mind gives corresponding tone and vigour to nervous and vascular systems, and lessens or prevents the influence of contagion.—Examples illustrating this;—remarkable one related by Dr. Coste respecting the last plague at Marseilles.—Effects of fear, grief, &c. related by Diemerbroeck and others.—Observation made respecting new married people during the plague.

Doctrines respecting Fever.

- 57. By inquiring into the operation common to the several Causes of fever, we approach towards a knowledge of the febrile state.—The nature of a proximate cause ill understood;—hence the search after it rarely successful;—and the circumstance generally assigned as the proximate cause, either a gratuitous assumption, or some one or other of the more prominent symptoms.
- 58. Opinion of Hippocrates,—that fever was an effort of Nature to expel something hurtful from the body.—Adopted by Galen and his followers,—and countenanced by various evacuations occasionally attending crisis.—Hence doctrine of Concoction, or fermentation and despumation;—and belief that duration and event depended on these being rapid or slow,—imperfect or complete.—Treatment founded on these ideas.
- 59. These doctrines (58) universally taught for thirteen centuries;—and though now exploded among British practitioners, still exist in the language and opinions of the vulgar.—Humoral pathology fully discussed

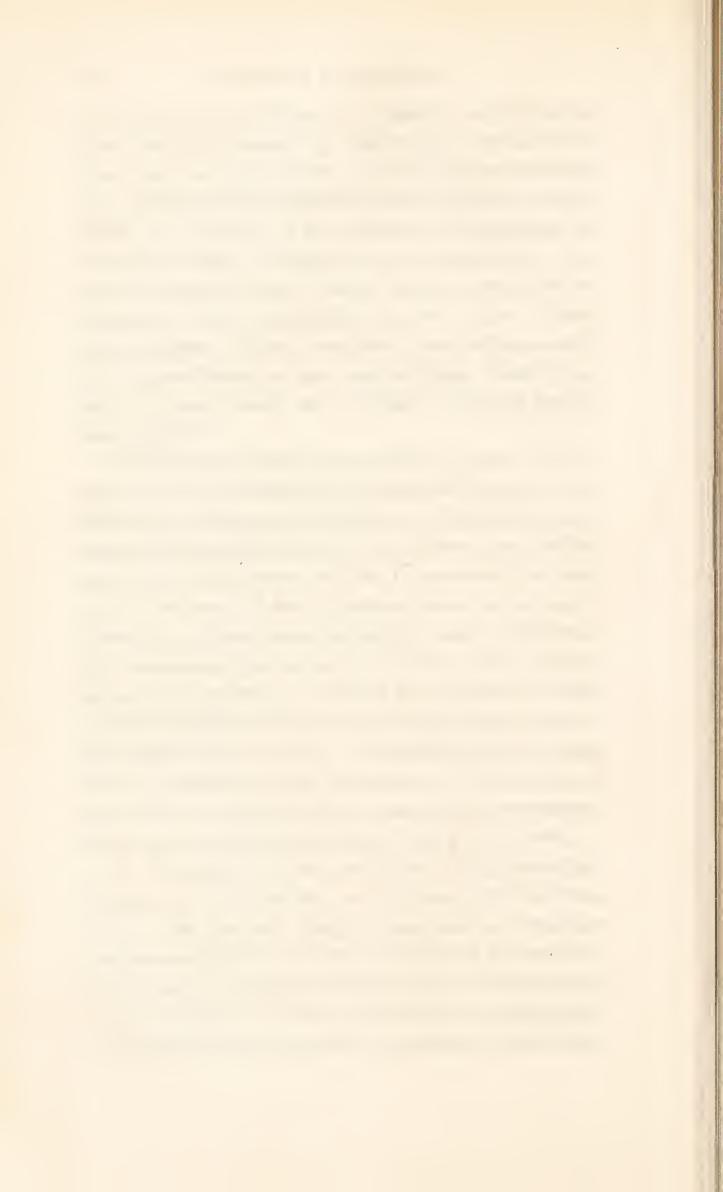




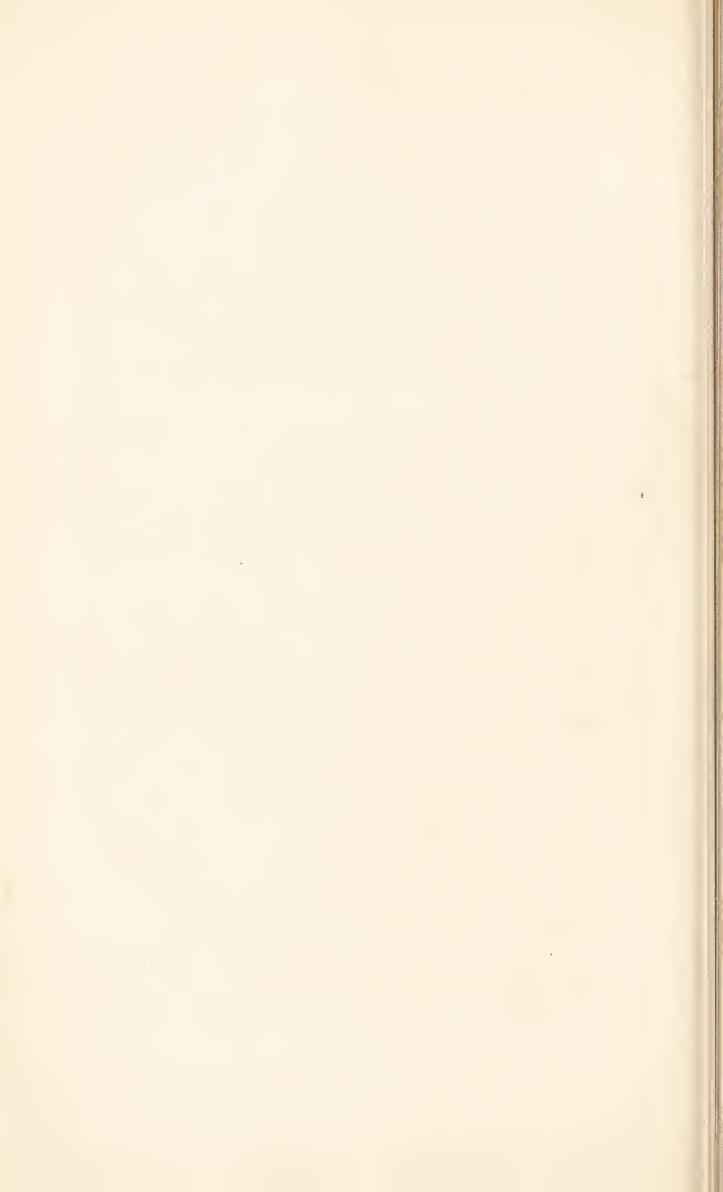
in Lectures on the Theory of Medicine.—Not sanctioned in fever,—either by observation,—or deducible from most successful plan of cure.—Though morbific cause absorbed and multiplied in certain diseases,—yet in others, no evidence of its existence.—Comparison of contagious febrile disorders with intermittents;—no proof of a materies morbi in the latter;—nor the intermissions in them explicable on such idea.—Fever often cut short without attending to concoction:—why this not practicable in every case of febrile disorder;—and why some admit only of being regulated during their progress.

- 60. Revolutions in physic generally in extremes.—Doctrines of Galen undisputed until time of Boerhaave and Hoffman.—Character of Boerhaave.—His opinions more generally adopted than those of any other modern.—Character of his Aphorisms, and the Commentary on them by Van Swieten.—Like all systems, aimed at too much. Prevailing corpuscularian philosophy, and his mathematical education, gave a mechanical turn to his opinions respecting living body.—Adopted Loewenhoeck's notion of decreasing series of globular particles in blood; and corresponding series of vessels.—A plausible theory of many diseases founded on this assumption.—His doctrine of error loci in inflammation:—seemingly strengthened by his erroneous idea respecting the shape of arteries.
- 61. Beerhaave's doctrine of Fever, though more gratuitous, yet still plausible,—as agreeing with Loewenhoeck's and his own alledged observations, respecting compounded globules of blood.—Imagined the tendency to aggregation among its particles varied at different times,—and condition or crasis of blood altered accordingly;—occasioning thin and serous, or thick and viscid state,









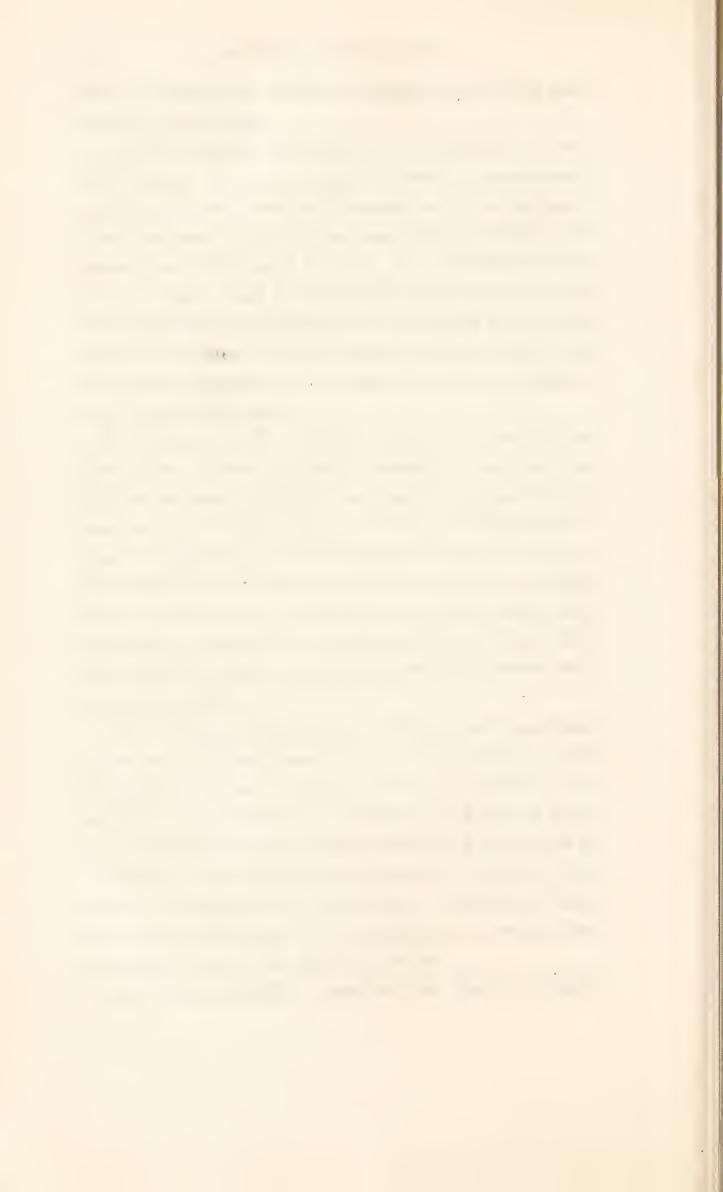
Assumed Lentor, or viscid state of blood, as proximate cause of fever.—His mode of applying this to explain the phenomena of a febrile paroxysm.

- 62. His theory implicitly received by cotemporary and succeeding physicians.—Was himself the first to see its defects;—and to admit the agency of Nervous System.—Van Swieten's endeavour to explain the difficulty, and maintain his master's credit.—With this explanation, approaches the doctrine of Hoffman and Cullen.
- 63. Mechanical doctrines incapable of rigorous scrutiny when applied to living body.—No direct proof of viscidity in blood during fever.—The very ground-work, viz. Loewenhoeck's observations, shewn to be a mere fallacy.
- by chemical discoveries.—Phenomena of Nervous System became more attended to,—especially by Hoffman,—who referred the healthy or diseased condition of body, primarily to the state of the moving fibre.—This doctrine strengthened and illustrated by operation of various subtle agents on the living body;—and particularly by the effects of passions and emotions.—The general principle now universally admitted as a fundamental part of pathology.
- 65. Fever considered by Hoffman as primarily arising from diminished vigour of nervous system, and particularly of brain and spinal marrow;—whence nervous extremities not duly supplied with energy.—Effects of this necessarily greatest in remote parts,—especially in extreme arteries;—whence atonic and spasmodic state of

them.—Application of this to explain some of the phenomena in cold stage.

- 66. That febrile commotion exists primarily in Nervous System, now universally allowed;—unnecessary, therefore, to enter into the discussion of it.—Hoffman's theory adopted by Dr. Cullen, and illustrated with great ingenuity.—Chief merit, however, due to Hoffman, both as first proposer, and as referring the phenomena of fever to an irregularity and disturbance pervading the nervous system,—and present in every stage of fever;—while Cullen assumes a symptom, viz.—spasm of extreme vessels,—as the proximate cause.
- 67. Sketch of Dr. Cullen's theory of fever.—Remote causes of fever all directly sedative,—and their application occasions debility,—as shewn by—general languor,—weak frequent pulse,—coldness and shivering,—want of appetite, &c. accompanying attack of fever.—Intermitting fever selected as the best example.—Considers three states, viz.—of debility,—of cold,—and of heat, as essential to idiopathic and primary fever.—From their occurring in the order enumerated, concludes them related as cause and effect.
- 68. So far supported by facts.—But proceeds to assume spasm as proximate cause of fever.—To do this, recurs to positions neither congruous with one another,—nor warranted by observation.—No proof of spasm in every fever:—though obvious in intermittents, is much less in remittents,—and often undiscoverable in typhus.—This shewn by comparison of these forms.—Reaction of heart and arteries therefore, to be explained on some other principle or law of the animal economy.
 - 69. Other difficulties attending his theory:-spasm









NATURÆ.—Absurd to believe that the preservative power augments the very same state which it was roused to do away.—The essence of a proximate cause, that,—when present, disease also present,—when removed, disease ceases.—Spasm present only in one stage even of intermitting fever.—Is itself dependant on diminished energy of brain and nerves;—and its recurrence prevented by supporting tone and energy.—Spasm, therefore, only one among the concourse of symptoms.

- 70. Outline of Dr. Brown's theory.—Capacity of living body for receiving impressions, termed by him excitability.—Agents or Powers acting on the body, termed stimuli.—Life,—health,—and disease, the result of stimuli acting on excitability.—Certain degree or quantity of excitability assigned at commencement of existence:—is worn out by operation of stimuli,—quicker or slower according to their degree,—and death the necessary consequence.—Speciousness of this;—but irreconcileable with another necessary position,—that the excitability is accumulated,—is in proper degree,—or is exhausted,—accordingly as stimuli are defective,—in due proportion,—or in excess.
- 71. Other embarrassments attending this theory.—Excitability though varying in degree, affirmed to be always simple and individual in its nature.—Necessary consequence of this,—that stimuli also differ only in degree,—and consequently, in certain dose, ought all to have same effect.—That such idea absurd, and contrary to fact, proved from original difference of organs in body, each fitted to its respective agent.—Proved also from specific

and peculiar operation of remedies:—excitability increased by Mercury or Alcohol,—diminished or exhausted by Lead, or Digitalis.—These objections fatal to the whole system.

- 72. Still farther difficulties of his doctrine with respect to Fever.—No primary stimulant effect observable from Marsh Miasmata, or Contagion of Typhus or Plague.—Hence considered poisons and certain contagions as an exception.—Assumed debility as proximate cause of fever;—but avoids explaining how occasioned by these,—or ascertaining whether direct or indirect;—though this before affirmed by him to be indispensable to the knowledge of disease, and to successful treatment.
- 73. Though Dr. Brown's theory the same,—his practice greatly changed within a few years.—Doses of opium and brandy first recommended by him in fever, very much diminished latterly, in consequence of doubts suggested by some of his pupils.—His own practice never sufficient either to verify or disprove his system.
- 74. Dr. Darwin's theory difficult, if not impossible, to be understood;—his doctrines received by very few;—and no superior success in his own practice, to justify the trouble of studying his system.

Of the Nature of Fever.

- 75. The investigation of this subject difficult:—much novelty not to be looked for,—but unbiassed relation of facts, and conclusions resulting from attentive observation.
- 76. Febrile diseases, though numerous and varied, have all something of a common nature.—Causes productive of fever apparently very different in their properties.—General similarity of their effect on living body, explicable only from their tendency to injure and destroy it,—

organition to Deletterbrish; Theory of From a confination of the Horains a horains of the Horains a various authors, it is natisfectivily attented by various authors, that in Fatints who have died from Brotonthie Fever the Stourch and it, could grow parts have more frequently been found inflamed.







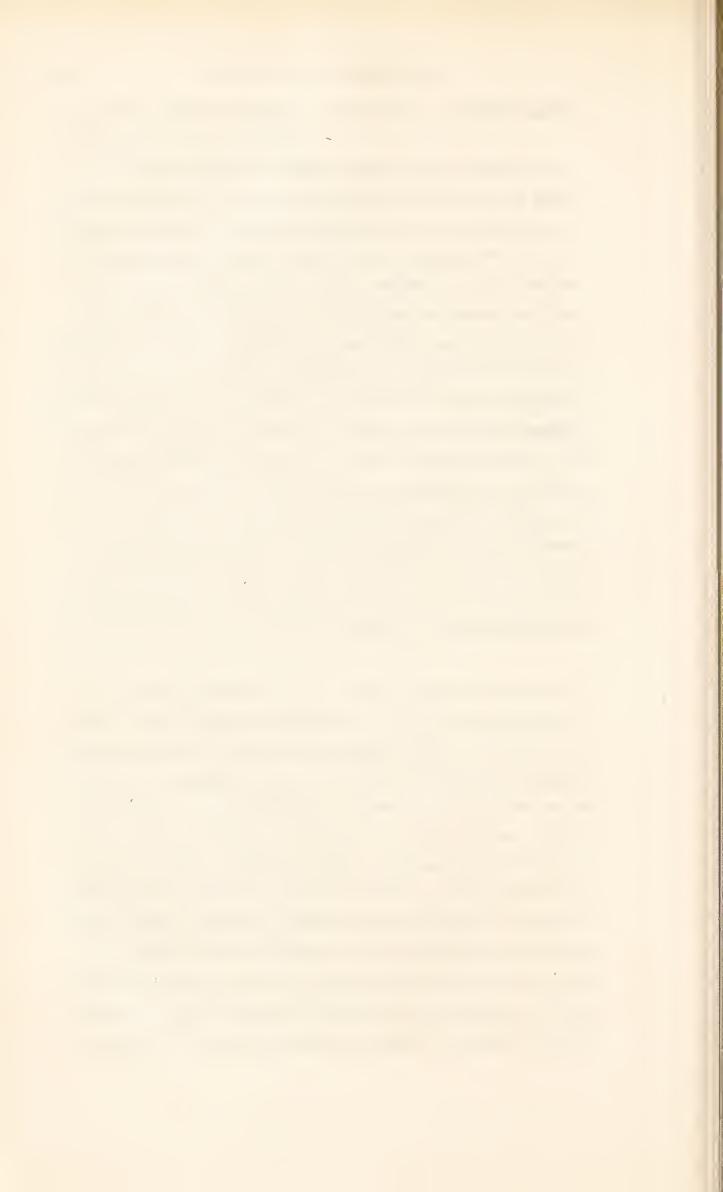
and the body itself being endowed with Preservative Power to resist their operation.

- 77. This power or principle chiefly resident in the Nervous System.—Functions of this system not fully ascertained.—Sensation inherent in it:—Motion derived from it.—Calorific function not sufficiently referred to nervous system.—Doctrine of respiration and animal heat treated fully in physiological course:—short sketch of it according to the discoveries of Dr. Crawford, Lavoisier, &c.
- 78. In process so purely chemical as represented by them, great variation necessary, according to relative as well as absolute quantity of Oxygen, Caloric, and Carbon. -A certain degree of variation observed in temperature of body, when person in health made to breathe air considerably more or less pure than that of atmosphere; but scarcely sensible difference in air of different places and at different times, by eudiometrical tests.—Variation of animal heat, then, while breathing common atmosphere, not owing to difference in the quantity of oxygen it contains; for the whole portion of oxygen gas inspired at once, not converted into carbonic acid.—Of course, the quantity of Caloric evolved under similar external circumstances,-to be referred to that particular vital process which effects an exchange of Caloric and Carbon during circulation.
- 79. This exchange, or Calorific Process, ultimately referable to agency of Nervous System.—Proof of this, in uniformity of animal heat during health, under every variety of external temperature;—and great difference of it, even under same temperature, if functions of Nervous System deranged.—Morbid variation of animal warmth, sometimes pretty constantly below, at other times rather

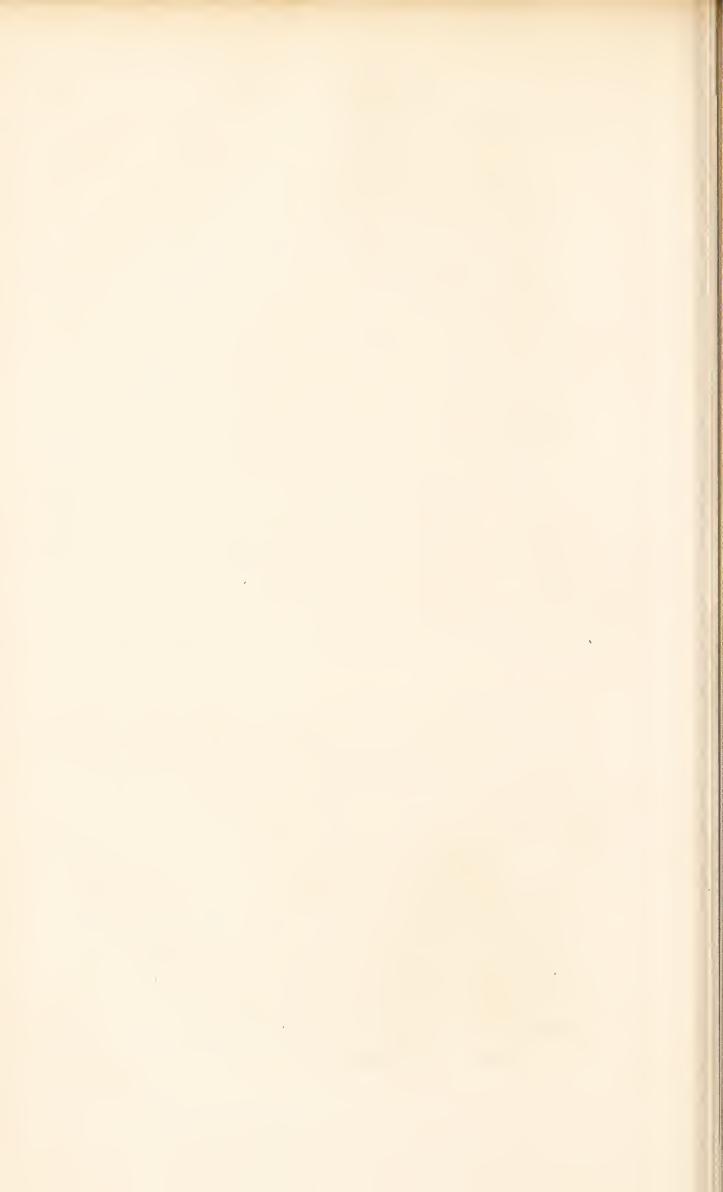
above the healthy degree,—but oftenest, repeated alternation of excess and defect.

- 80. When such alternation begins with deficient,—then proceeds to excessive evolution of heat,—and these changes recur at intervals with more or less violence,—it then constitutes that morbid state termed PYREXIA:—character of this, as accurately defined by Dr. Cullen.
- 81. Nature of the process effecting separation of Carbon from solids of body, on one hand,—and its absorption by the blood and consequent evolution of Caloric, on the other,—at present unknown;—but ultimately traced to agency of Nervous System;—and immediately and considerably affected by certain disturbed state of this, while external circumstances unchanged.—Striking proof of this in case related by the late Mr. J. Hunter, and farther illustration of it in the ingenious experiments of Mr. Brodie, (Phil. Trans. Part I. for 1811.)—Such disturbed state of Nervous System, if not the proximate cause of pyrexia,—at least very intimately connected with it.
- 82. This particular state, chiefly characterized by deficient and irregular distribution of nervous energy;—hence often described by the term debility.—Such term, however, too general,—as comprehending several species of defective power in Nervous System, not productive of febrile state.—Term atony used by Dr. Cullen.—This term by itself also objectionable,—as denoting more especially want of tone in muscular fibre;—but qualified by word febrile, appears sufficiently precise and expressive.
- 83. Chilly and cold state of body marking commencement of pyrexia, proof of diminished energy in nervous system.—This universally followed by increase of heat,—even to 6° and 8° beyond healthy standard.—Such









alternation directly the reverse of what might be expected.
—Illustration of this, by comparison of piece of mechanism with living body.—Retardation or irregularity of machine, remains the same, as long as first cause continues to act.—Living body also a machine,—but infinitely superior in construction and operations.—Example of healthy man exposed to marsh miasmata:—first effects,—indisposition to bodily or mental exertion,—lassitude and general uneasiness,—loss of appetite,—small and very frequent pulse,—paleness and shrinking of skin,—chilly sensation and actual coldness,—shaking of whole body;—in short, cold fit of intermitting fever.

- 84. So far the effects in machine and in living body correspond—But these not permanent in latter,—or death inevitable.—After symptoms of diminished power and energy lasting some time,—opposite train of symptoms arise:—heat gradually returns, and even exceeds natural degree;—mind becomes quick and irritable,—its ideas rapid even to delirium;—pulse grows full and less frequent;—and lastly, perspiration or sweat succeeds, with relief to all these symptoms, and restoration of bodily and mental functions, nearly or entirely to healthy state.
- 85. This restoration often only temporary,—and same train of symptoms recurs again after interval of 12, 24, or 48 hours;—but at other times complete and permanent,—or else each recurrence less severe, until they cease spontaneously.
- 86. Difference between inanimate machine and living body,—evidently owing to the latter being endowed with PRESERVING PRINCIPLE, or Vis Medicatrix Natura.
 - 87. Objections made to this principle, from its being

personified by its advocates, and compared with Rational Soul, under different names of Archæus,—Autocrateia,—and Anima medica;—but its existence and operation incontestibly proved in a variety of cases:—examples of these.

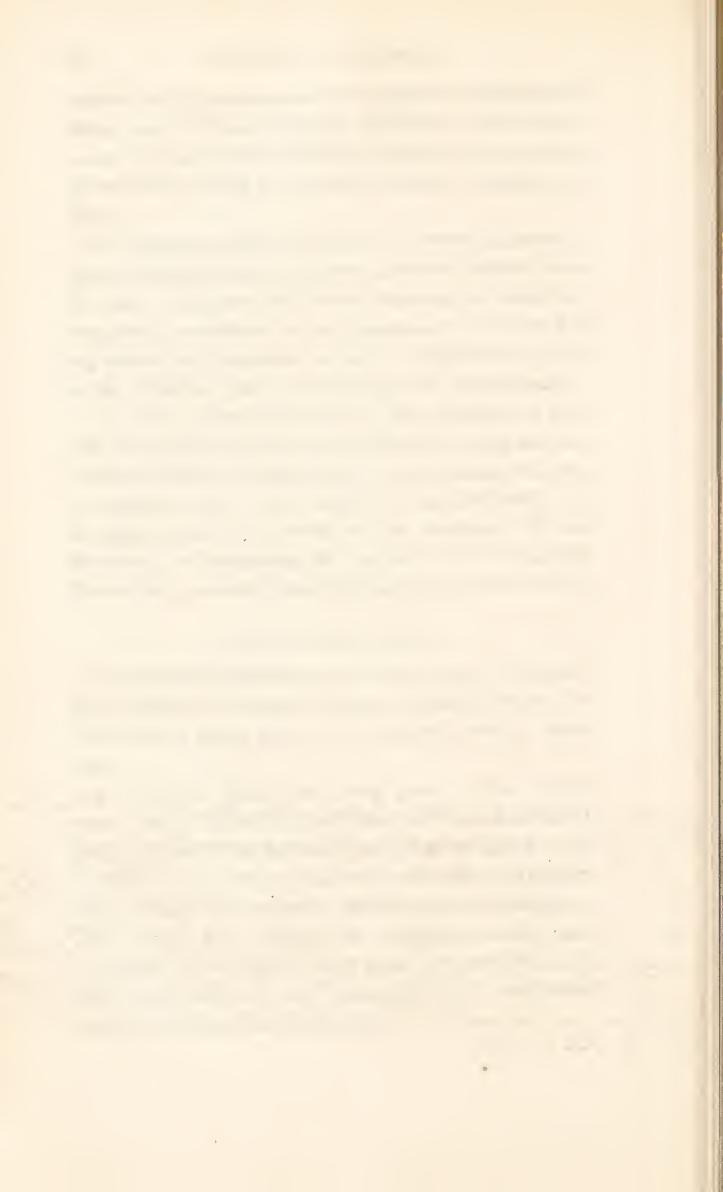
- 88. Objection—that PRESERVING POWER, instead of simply counteracting the primary effects of morbid Cause in fever, occasions even more distressing or dangerous symptoms,—answered;—the symptoms of re-action being morbid only because in excess.—Application of this to the definition given of disease (par. 2.) pointed out.
- S9. Every paroxysm of fever, then, consists of two sets of symptoms;—the first set being the direct and immediate effects of febrific cause, ex. gr. marsh miasma,—contagion, &c.;—the second arising indirectly, or through operation of PRESERVING POWER.—In the increasing or diminishing this reaction of the Preserving Power, then, consists a principal part of the cure of fever.

Of the Crisis in Fever.

- 90. Original signification of the term uplots;—its meaning as applied to change in disease.—Strictly denotes either fatal or happy event,—but generally used in latter sense.
- 91. Curious fact,—that living power, when nearly worn out by sucsessive paroxysms or exacerbations of fever,—should often suddenly and spontaneously recruit,—remove all alarming symptoms,—and leave the patient with little more complaint than general weakness.—This change most striking in continued fever;—and sometimes so remarkable, as to seem the special effect of divine interposition:—bad consequences of such belief among nurses and patient's friends.

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part resources for Del. has known a lattich lay in in a most dangerors state, having lost all his face this fall the flower of swallowing by being prequently sufflied with ornale quantities of nourishment in left than four strouty hours te so far accounted as to their out his side and for to sleep, and he has were to the alle done well.







- 92. To understand the nature of crisis,—necessary to recollect the view given (par. 89.) respecting nature of fever.—PRESERVING PRINCIPLE various in degree in different individuals,—periods of life, &c.—Constitution strong when PRESERVING POWER vigorous,—and weak when PRESERVING POWER defective.—Force of exciting causes also, viz. Miasmata, Contagion, &c. different on different occasions.—According to relative degree of preserving power on one hand, and force of febrific cause on the other,—the change termed crisis will be well marked, -indistinct, -or altogether absent. - Crisis most remarkable, when operation of the febrific agents goes nearly to subvert the PRESERVING POWER,—and where it acts directly on Nervous System, without occasioning such derangement of its organization, as to unfit it for resuming its functions when the morbid impression has ceased.
- 93. Morbid impression made by the causes of fever, not permanent,—but wears out after longer or shorter period.—Febrile state induced by cold (unless joined with local inflammation)—seldom of such duration and degree, as to display critical change.—Morbific intemperies of atmosphere constantly applied while it exists;—difficult, therefore, to ascertain the date of its first effective impression.—Effect of miasmata occasionally very speedy;—instances mentioned by Lancisi, and by Sir J. Pringle.—Effect of contagion often still more quick.
- disease immediately follows.—Interval between effective application of Miasmata, and attack of Intermittent, now and then well marked (par. 31);—but between exposure to Contagion, and commencement of Typhus, often distinctly ascertained.—Agree in producing specific dis-

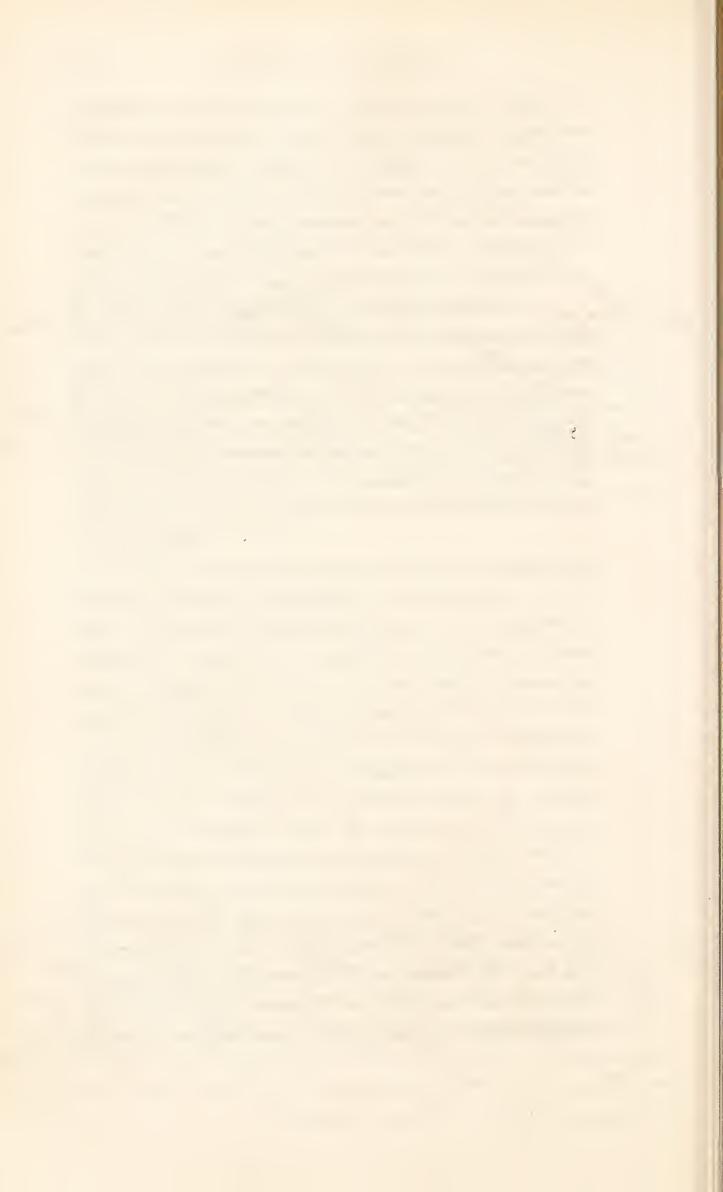
position to their respective kinds of fever, which remains for some time;—and either subsides spontaneously,—gradually acquires strength,—or is suddenly rendered active by concurrent operation of other remote causes.—This property common to all specific causes of febrile state,—as contagion of Small Pox,—Measles,—Whooping-Cough, &c.—Utmost limits of interval belonging to these respectively, not ascertained.

- 95. Duration of actual disease from respective febrile agents, also limited.—Period of this known and uniform in some,—as Small-Pox and Measles;—and perhaps uniform also in Intermitting Fever and Whooping-Cough: but difficult to determine this, and why.—Of less consequence to ascertain it, if it exist, in Intermitting fever, as seldom shewing any marked crisis, and very liable to recur through habit.
- 96. Crisis most conspicuous, and of most practical consequence, in fevers originating from Contagion,-or in those which assume the typhoid type in their progress.— Hence the study of it especially important in those fevers.—Illustration of it by case of healthy person exposed to contagion: -- often no sensible effect for a week or more.—Difficult to say how much longer morbid disposition will lie dormant; - perhaps never above three weeks.-May wear out or expire silently in certain cases; is rendered active in others, by Preserving Power being weakened from operation of cold,-fear,grief,—anxiety,—loss of blood, &c.—Duration of morbid impression difficult to determine;—but actual idiopathic fever seldom if ever longer than four weeks,-and often short of that.—Objection,—that patients die after 28th day from actual seizure,—answered:—death then not owing to original febrile state,—but to diseased condi-

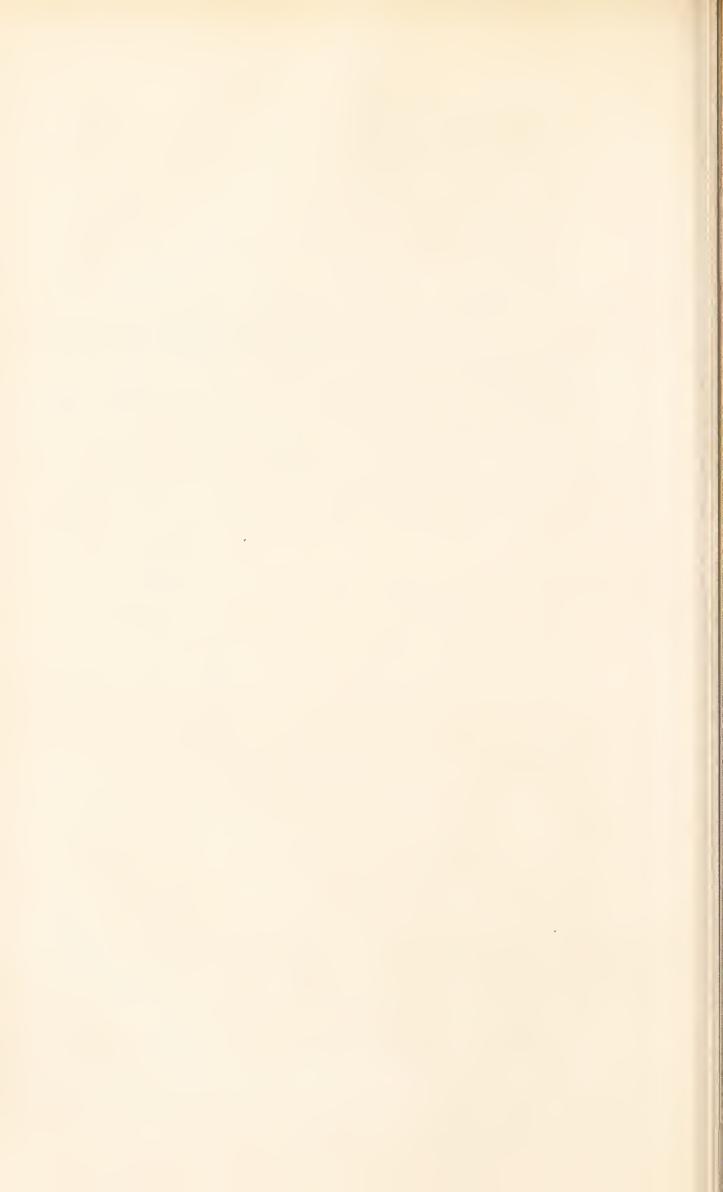
Is the constitution before it produces Lyphus is about to Days.

That when the their that were exposed to the Contragion of the twent at lattices were not attached with the fever at limitaries were not attached with the fever intitle a two location the after, when they were on Daty in Spain.

of the abdominal bis sera which the Particle will and complein of and it is may discovered by examination, when the Particul complains of tenderny on Pressure. The Sorgnewile also in most cases becovered by a black Course.







tion induced in some important organ,—as inflammation, effusion, or suppuration in brain,—lungs,—liver,—intestines,—mesentery, &c.—Proof of this from general febrile disorder often subsiding some days before death in such cases.—Protraction of intermittents often owing to local disease,—especially in liver and spleen.

- 97. Local affections occurring during the progress of idiopathic fever, also render crisis obscure and imperfect.
- 98. Febrile derangement of functions proportioned to force of contagion on one hand, and to susceptibility of patient on the other.—May terminate at any period between a few days and three weeks, according to circumstances.—Crisis, or sudden change at termination, most marked when febrile derangement considerable;—when extended towards the utmost limit of morbid impression;—and when unopposed by any local affection.
- 99. Critical termination more frequent and complete at certain periods within this limit of duration, than at others.—Hence the doctrine of CRITICAL DAYS.
- 100. This doctrine first taught by Hippocrates,—generally admitted by his successors among the ancients,—and maintained by many moderns of great eminence.—Much difference, however, between the advocates for them, as to the particular days;—and their existence altogether denied by many practitioners.
- 101. Periodical movements in the body clearly shewn by tertian and quartan periods in intermitting fever.—
 Diurnal movements obvious in continued fever;—but tendency to tertian and quartan movements also probable in it, from change of type in these fevers,—as well as from the nature of fever in general.—This tendency obscure in continued fevers of this country, and marked

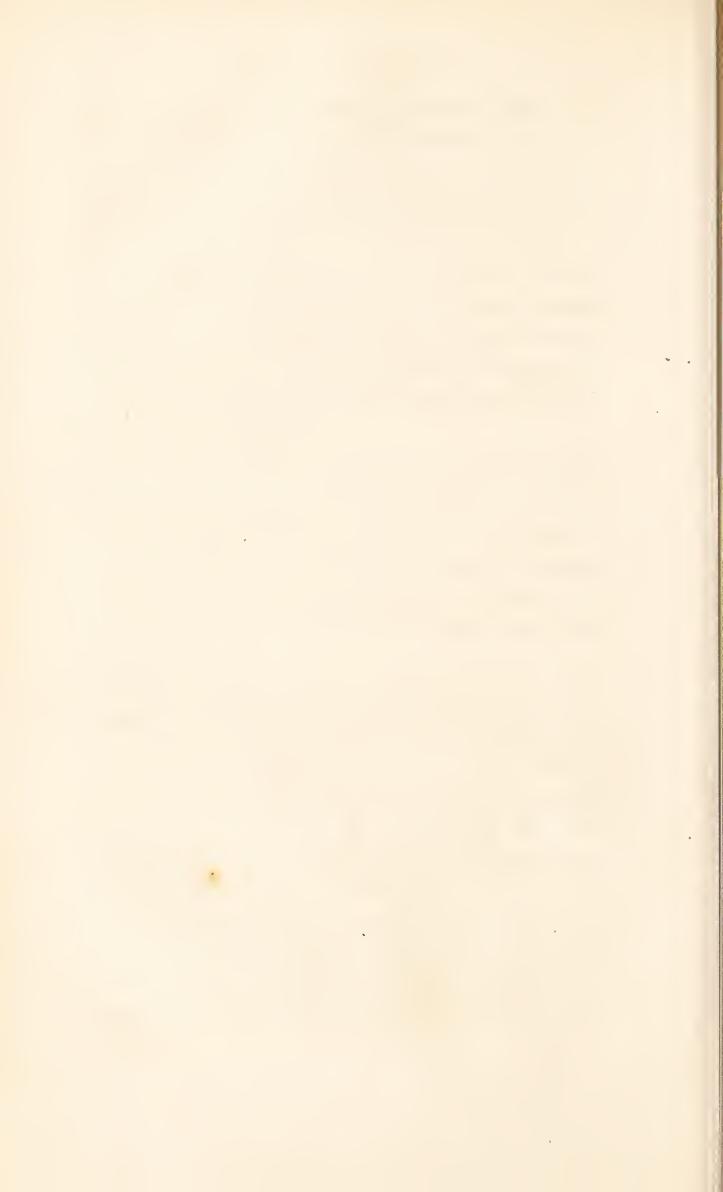
only by greater exacerbation and remission at tertian and quartan periods;—but probably distinct in Greece,—owing to greater uniformity in climate,—and mode of life,—and to inert practice of Hippocrates.—The doctrine also alledged to be influenced by belief in the Pythagorean power of certain numbers.

- 102. Critical days of Hippocrates,—3^d,—5th,—7th,—9th,—11th,—14th,—17th,—and 20th, from actual attack;—or, Crisis most frequent,—complete,—and favourable on these days;—and oftenest incomplete or unfavourable on the intermediate ones.—First fortnight tertian intervals;—afterwards quartan.
- 103. The exact day of attack in fevers from Contagion often uncertain:—hence difficult to determine the odd or periodical days, till disease somewhat advanced.—Their regular recurrence likewise altered in many cases, by the operation of remedies.—Critical periods, therefore, less distinct among us than among the ancients;—but their existence and operation in a certain degree still cognizable.
- 104. A septenary or hebdomadal period most remarkable in those continued fevers, which either arise from Contagion; or become typhoid in their course;—such fevers oftenest terminating at the end of one,—two,—or three weeks from attack; and critical change most conspicuous at these periods,—especially at the second and third;—whence vulgar phrase of—fourteen, and twenty-one day fever.—Reason of this.
- 105. Correspondence with this, in the decided tendency of remitting and intermitting fevers of warm climates, to recur especially at lunar,—semi-lunar,—and quadranti-lunar periods:—and hence the ground of par-









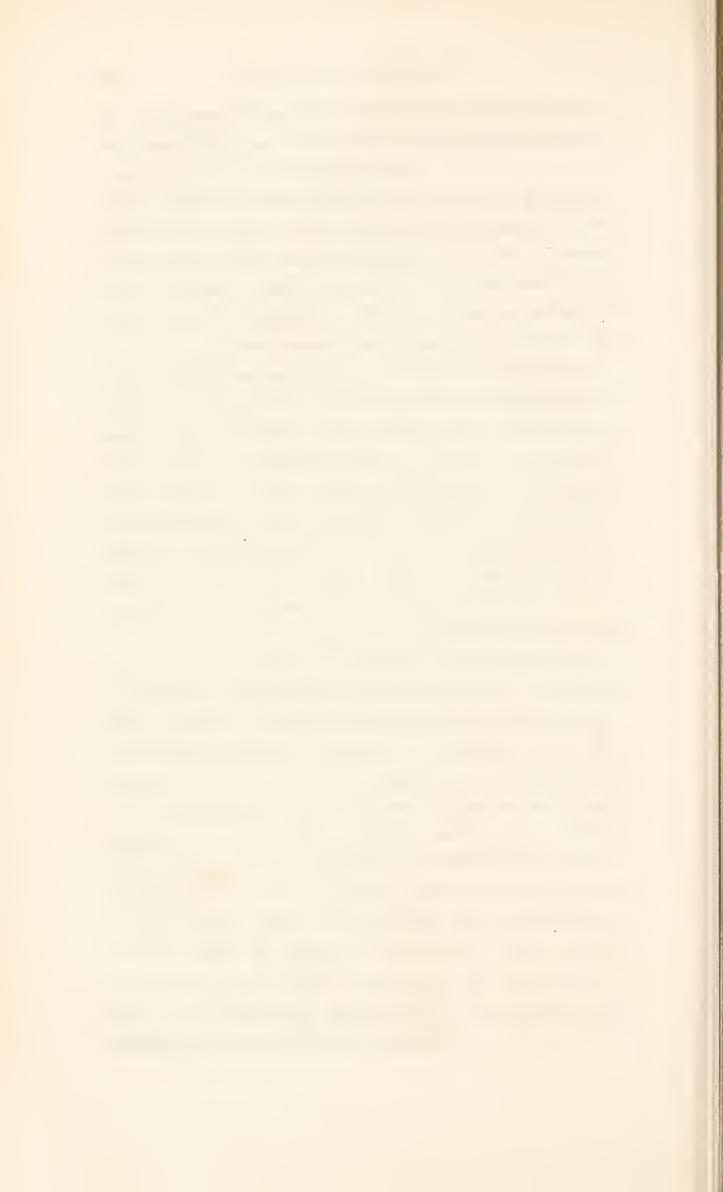
ticular practice in such places.—Account of Dr. Balfour's theory;—evidence in its favour:—has carried his system too far.

- 106. Crisis in contagious fever most strongly marked, when septenary periodic movement concurs with spontaneous termination of original morbid impression.
- 107. Amendment in fever generally preceded or accompanied by some spontaneous discharge,—as hemorrhage,—diarrhæa,—sweat,—lateritious deposit in the urine:—whence arose the idea of such discharge being the cause of the amendment, by carrying off the materies morbi.—Other discharges also mentioned as critical, e.g. vomiting,—copious flow of saliva,—abscess, &c.; but these comparatively rare.
- 108. Twofold view of such discharges by the advocates for Humoral Pathology, viz. as being,—1st, the ground of *prognosis* as to final event,—and, 2dly, as directing us to procure such discharges artificially, and thereby successfully imitate the salutary effort of Nature.
- 109. These discharges, however, even when spontaneous, often useless or hurtful.—Attempt to explain this by imperfect concoction of morbific matter;—but the doctrine shewn to be unfounded;—and even if true, its application to fevers in general neither satisfactory nor safe.
- 110. The discharges considered as critical, shewn to be oftener effects of the favourable change in system, than causes of it;—but, in certain cases, assist both to form prognosis, and indications of cure.
- 111. Remarks on the particular discharges:—1st hemorrhage;—oftenest from the nose;—the quantity generally small;—the relief it sometimes gives, inexplicable

on the notion of morbific matter being evacuated by it:
—in what stage and kind of fever useful and instructive;
—in what hurtful and unpropitious.

- of Intermittent (par. 23.), and also at the decline of Acute Rheumatism, &c.—not unfrequent in gouty persons during ordinary health;—and may be produced in any one by sudorific medicines.—Hence affords no particular indication of cure;—but occasionally precedes the other phenomena marking a solution of the fever.—Inquiry into the nature of febrile sediment in urine: contains nothing peculiar to the febrile state.—Appearance of the urine in different forms of fever:—sometimes nearly natural;—often paler, and like whey, particularly in nervous fever or mild typhus.—High colour of it,—different in different kinds of fever;—causes of this:—sometimes of a deep brown, sooty, or dusky green.—Conclusions to be drawn from these appearances.
- 113. Increased discharge by perspiration or sweat, the natural and most common termination of febrile paroxysm. -Infectious quality of the matter perspired in contagious fevers, seems to favour the doctrine of morbific matter; -but such fevers not noticed by its founder; and the contagion shewn to be the product of morbid action in the perspiratory vessels.—Sweat often universal and profuse for many days without relief; and rather unfavourable.—Sudor Anglicus described by Dr. Caius. -Partial, cold, and clammy sweats in fever, never attended with relief, and generally very unpropitious. -What kind of sweat is favourable, either when spontaneous, or when procured by remedies.— Merit of Sydenham in exploding the alexipharmic and sweating treatment of fevers in general.







114. The the Free haventimed many Days withoutany Cloine Discharge a Franchea coming Dacheolowis but if this entires they will be then to wath him to judge whether the Discharge ought to be resolvented. When the history are Bilions be much been whither they was water, for if they are the Patients Strength will be exhausted before all the there Believes From there is a copious believes discharge from the Bouler Spile is sinker the Castreet, Sherith we shall and find here set better, water thering a heal the Discharge of Bilo takes place; our Object therefore in adde. tion the supporting the Paristo of the Petial shelle, first to mederato the Beauthers, and Then to few male doses of those Runedies which immediately act on the Liser.

but sometimes precedes and causes the latter.—Is also more readily excited or restrained by remedies;—and hence important in a curative view.—Under what state it proves useful, indicated,—by the degree of vascular action,—by the colour, &c. of the stools, as being black and offensive,—yellow,—green, &c.—Kinds of fever in which certain states of the alvine discharge most commonly appear:—prodigious quantity of bile evacuated in certain fevers, and by particular constitutions;—importance of this discharge to recovery.

GENERAL PROGNOSIS IN FEVER.

- 115. Several points connected with this, already noticed (par. 110-114.)—Prognosis to be drawn, on the one hand, from excessive action,—and, on the other, from defect of the vis vitæ.—The first is especially the case in inflammatory fevers,—the other in those of the typhous kind.
- 116. Simple excess of action not very dangerous, unless particularly violent in some important organ, as the Brain,—Lungs,—Intestines,—Liver, &c. being otherwise within the controul of remedies.
- biguity of the term Vis Vitæ from the vague definitions given of it.—Are to understand by it A Principle of Activity and of Preservation, most remarkable in the nervous and muscular substance, but diffused throughout both solids and fluids of the body, and apparently existing in these in different degrees in different persons, and under different circumstances.—The danger, then, to be estimated from its defect in these collectively.
 - 118. Muscular weakness common to all fevers,—but

most sudden and considerable in those from Contagion:
—cause of this.—Of itself not alarming.—Defect of Vis Vitæ as shewn in the state of the circulation and respiration, more dangerous,—and why.

- 119. Defect of energy in the Brain, as shewn by the weakness of the mental functions,—constituting different degrees of stupor and delirium,—often very considerable in cases which end favourably.—Active delirium generally accompanied with inflammatory condition of the brain:—great danger of this in contagious fevers.—Similar combination of increased action with diminished power in other vital organs, embarrassing, and difficult to treat successfully.
- 120. Irregular distribution of nervous influence,—shewn in convulsions,—spasms,—tremors,—subsultus tendinum,—hiccup, &c.
- appearance of the blood when drawn: varieties of these, with remarks upon them.—A tendency to the septic process often evident; but an actually putrid state of the circulating mass, incompatible with life.—Much misrepresentation and error on this subject found in medical writings.
- 122. Septic state most conspicuous in certain secretions,—especially of the mouth and fauces,—of the intestines, &c.; and the proper light in which such changes are to be considered.
- 123. Defect of Vis Vitæ both in solids and fluids shewn—1st, by effusions of blood under the skin forming petechiæ,—vibices,—ecchymoses;—remarks on these;—2d, by particular yellowness of skin in certain fevers;—important distinction between this and icteritious yellowness:—3d, by passive hemorrhage from the nose,—

120 Convulsions figurethe wiese in Children pour a collection of morbid matter in this firma was & we find by fetting pid of this accumulation they generally subside. Convulsions wising from Dibility are frequently accompanied with Effersion into the bentucles, tabout Andries being always attended with our alarming greeof Dibility sund the considered dangerous Inchange from the Scaphrage production of the Diaphrage pro

129 he vougle higher Town in emergine ce of the theine wo of the Blood you have the three wants of Shiel. it is escufaced wealth of wester hours of livers, no there there is hefaint of tion with deministed fore, you also have this of warion enth a larger free on tion of evapulable legenther, dities d'a y ellower estour. Mich ing the plans, the hypoth is in appliete langer profunction of bloody meat. 123 Attechice very much recomble flex bites; Tobicis appear as if the point had received ablow mis cechymores is similar to an effusion of Polos winder The Collection Rembrans. These of replans wile constitues offe an ender in five without augment degree of Debility, parti-cularly when the Hotelejines has been wood, but if they corres on at the close of the Disease they sowed be looked howard in consequence of the Polos with him some sent tothe there Branches of tentonies, by its appearing in different sultates of the Eye ms. being tupad insend factioned. Gargine of the extreme hants has sometimes taken Alace in a state of conviles ever to consiquence of the great dyrer of Debility. on where

124 of you find the Caturbony into the and cal chief at every thing that in the hein with frech engine for and our first that there is freat action of the Brain Notalways proofers thea. The double tisson which paretimes comes on in the beginning is generally attended with heflor when, accompanied with Efferer so into the butuely. If the Catual is unable to lay in any position in the Bed without uneasuress, and bir p filered in any smable to more from it we suit emsiden it as howing great weakness demegant danger The Sphemilies being cold & clausing where the Deget After to later.

how the same cause generally remembered by Heat, or such after the last is generally produced by Heat, or such after him if Sean practice as is produced by Heat, or such after higher praction in the System, combined with Parish Practice of another Practices as is forming our tragmose.

mouth,—intestines,—urinary passages:—4th, by gangrene of parts inflamed by blisters, pressure, &c.—Gangrene of the feet sometimes takes place as the fever subsides.

- 124. Prognosis from change of voice and manner,—eager or difficult deglutition,—appearance of eyes, and of countenance in general;—posture;—passing of urine and fæces unconsciously;—temperature of extremities, &c.
- 125. Correct prognosis only to be formed from a comprehensive view of the living machine,—the relative importance of its several organs and functions,—the number of these, and the degree in which they are affected;—the species of fever, and the tendency of it in general, as well as of the particular epidemic;—together with the patient's age,—constitution,—previous habit of body,—and mode of life.

DIAGNOSIS OF FEVERS.

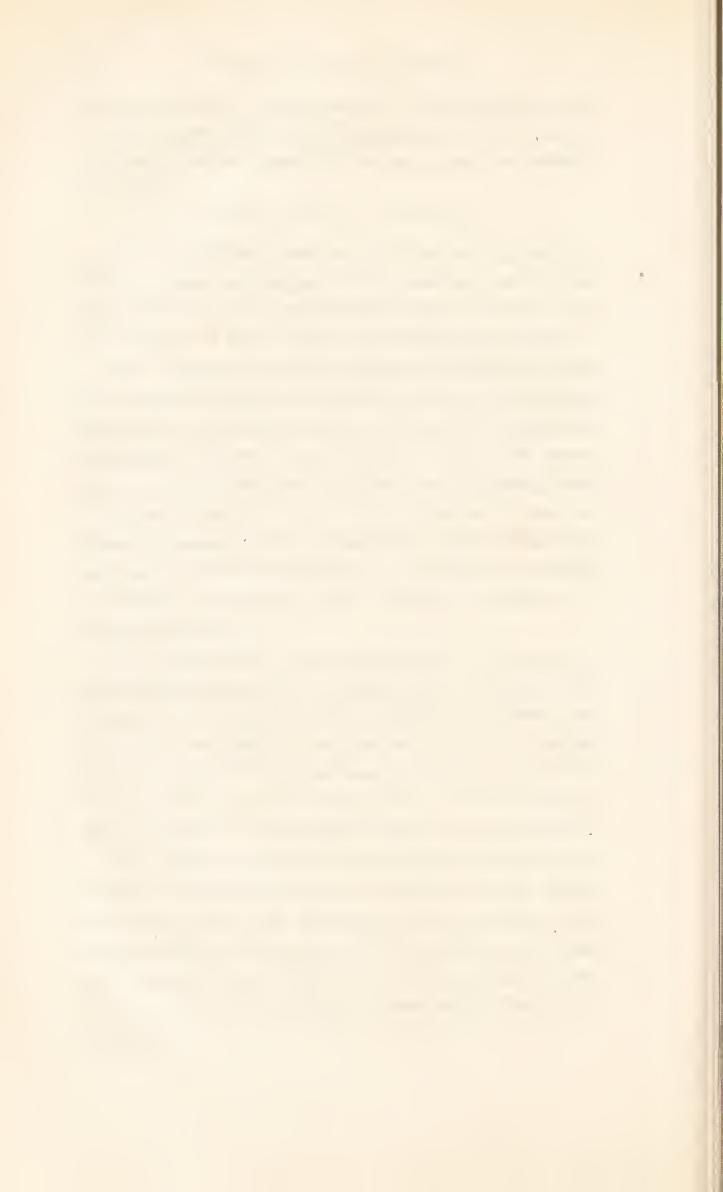
- of the three principal forms of Intermittent,—Remittent,—or Continued Fever.—The two first owing in part to one cause, viz. Miasmata:—hence often change into each other by the change of season, and other circumstances; and a consideration of these necessary to form an accurate Diagnosis.—Continued Fever of the simply inflammatory kind independent of local affection, not so common as might be expected.—Continued Fever, then, generally referrible either to Contagion, or to a peculiar state of atmosphere, which occasions a similar depression of the vital energy;—and therefore commonly assumes the typhoid character in its progress.
 - 127. Accidental symptoms of local affection, to be

distinguished from the fundamental febrile disease, and not made a ground of multiplying names; which tends to confound disorders essentially the same, and to mislead in practice.

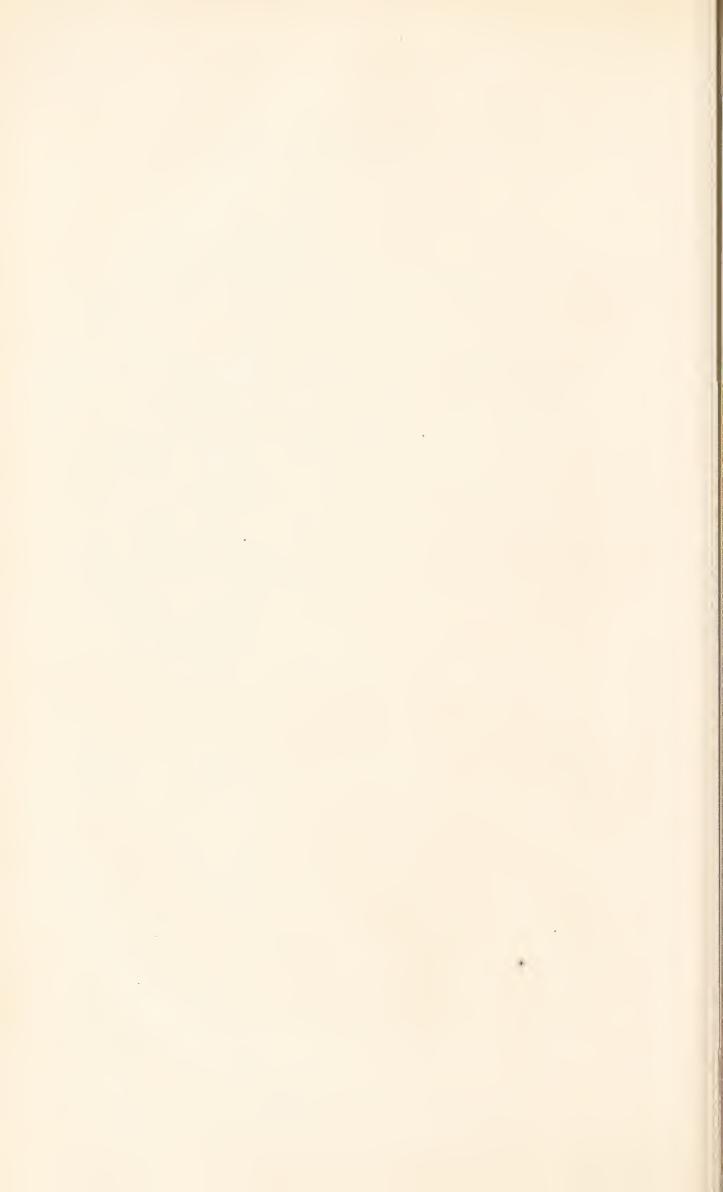
GENERAL CURE OF FEVER.

- 128. Though the treatment of fever varies greatly in different cases and stages of the disorder, yet certain principles of cure are applicable to fever in general; and a knowledge of these, marks the scientific practitioner.
- even opposite modes of treatment;—and the consequent scepticism of many with respect to the utility of medicine, considered.—Every fever, however various its cause, shews a sort of common character, as originating from a certain disturbed state of the Nervous System.— Essential nature of this morbid state hitherto unknown, and perhaps will always remain so.—Hence the necessity of attentive observation, and cautious conclusion, to successful practice.
- 130. Living differs from dead body in its power of beginning motion, and producing various changes; both necessary to its existence and well-being.—These constitute the mechanism and chemistry of life.—Certain degree and order of these motions and changes, productive of HEALTH;—and any excess, defect, or irregularity of them, beyond a certain degree, causes DISEASE (par. 2.)
- 131. Hence, the General Principles of Cure in fever consist, in counteracting the operation of the causes inducing it,—by, 1st, diminishing those motions and changes which are in excess;—2d, increasing those which are defective;—and above all,—3d, restoring the due train or order of succession in those which have had it disturbed.









- 132. The 1st and 2d indications comprehend all that in general is necessary in fever arising from common causes,—as sudden alternation of temperature,—excess in exercise,—or in eating, drinking, &c.;—but in that produced by specific agents, as Miasmata and Contagion, are properly only palliative, and ward off urgent symptoms, so as to let the specific disease expend itself—The 3d indication comprises the essential cure of fever;—there being no antidote to febrile commotion from specific causes.
- 133. The internal motions and changes of living body too little known to admit of precise definition; but may be expressed by the general term Actions.—A fundamental law of these,—that they naturally proceed in a certain train or order, unless disturbed by the operation of hurtful agents;—but that, when so disturbed, they assume another, and a morbid train or order, and continue this in a degree, and for a period, proportioned to the force of the hurtful cause, and the permanence of the impression made by it.—Illustration of this by comparison of fever as arising from common, or from specific causes.
- 134. Fevers from Contagion may often be extinguished at their commencement.—Why this not practicable in the advanced stages.
- arise from different or even opposite causes;—exemplified by the occasional success of different and even opposite remedies in fever.—But every plan of cure not therefore equally proper;—some one mode being especially suited to the individual kind, degree, and stage of the disease; and the judicious adaptation of it to these respectively, being most uniformly successful.

- 136. Causes of fever are very generally such as lessen action in the first instance; hence, the increased action which follows, is from the exertion of the Preserving Principle. Importance of this in explaining the increased action with adequate or inadequate power of maintaining it;—and in adapting the plan of cure accordingly.
- 137. FIRST GENERAL INDICATION (par. 131.) divisible into two heads, accordingly as the power is considerable or deficient:—full illustration of these two states, referred to the doctrine of Inflammation.—In every fever there is a state approximating towards one or other form of inflammation, and ready to assume its corresponding form by the concurrence of certain causes.—Tendency to the active form chiefly noticed by authors, and by them denominated the PHLOGISTIC DIATHESIS.
- 138. Particular condition of the nervous system occasioning this, at present unknown; but its effects most obvious in the Sanguiferous System, and our remedies to be chiefly directed to remove these.
- 139. State of circulation indicating Phlogistic Diathesis, marked by frequency,—strength,—and hardness of pulse, with increased temperature.—Remarks upon these.—Frequency less characteristic than the other states;—and to be depended upon only as accompanied by them.—Circumstances of the patient's constitution, &c. and of the remote causes, in which such diathesis especially prevails.—Hard pulse sometimes ambiguous, and why.—Increase of temperature, likewise, often greatest where no true phlogistic diathesis present.
 - 140. Collateral symptoms marking phlogistic diathesis.

as always characteristic of and hardness always more and hardness of the bystim. But with bullness of the bystim. But have in eneased that water of the body attended with hardness of the Polary attended with hardness of the Polar to passengther body attended the hardness of the Polar begunes of the Palace, you have did itional hoosts of the Polar begunethy owing to spassing the husbands of the Palace preguntly owing to spassing the husbands of the Palace preguntly owing to spassing the bulse presents of the house of the Palace preguntly owing to spassing the bulse presents of the presents of the



140. You will distinguish the high colour of the Elsine Queing the in flaw totage, by its appearing from a flare colour to a deep new, Shield is depending whom the lunge quantity of colourney destractive multio which it contary sometimes condined with belions thattoushigh gives it a light colour. When the white for on the Jugue concurs with the former circumstances It is generally character, sister, I will be a string wished from the habith is hereit) in others Complaints ley its being by thand, white under other cicumstances it is soft & moist. 12? More advantago wile bedieved from Draining Blood Som a lay orifice to held ily than from a smaller me Conore stouch at the more Patood dray be tuhen away by the latter will wante out the latter will have the have will be have time to creamy wood to them selves to the loss, and their the disease is prequently cut short. Ta made quantity of Polood is taken from a Patein testile standing it wile produce a much more beneficial affecting. Law a larger quantity frame while in the horizonta's prosting host Epidemies are accompanied with Lighton sympetions in which we would write to be the total tebility in the commencement. all fiverish attachs that occur in the bornal searce of the har are generally attended with heflowerators retire while too of the autiemal trao ar are accompanied with yanie affections, such as enjestion of the liver the and surally fewlor the applicate type. The Halit of Blood letting generally gives a Frederice is the thora the Buffy wat on the surface of the Bloodand its cuffere hearably indreates high action in the Potor roway I the release to of repeating the operation, but we must fine ways beguided by these appearances, an sometimes of wile externe to within agher hours of the Rations Diath. In hours of the Typhord of the accompanies with weal east from tration which alweign attends there Frances.

Itis. Surjuy is out culated to fulfil our second subjections of linguist incessive action when the proser is insufficient care to support it the Evacuation of the Bouches should not be to a freak whent best be provided on with enution, & Purgation of a wild nature should be employed, such as Phubanble Color of a wild aline Purpations. Busings the Summer business there is a functional tendency in the liver to score to a leaser quantity of Bien than would, & His generally of an action nation, thurting it hapenents the tites times & proons its own come abother it is absorbed into the Constitution, which is tressonly thoughton me so of the love then they this is generally needupalaired with especies were which are of a feculiar familian down thick is particulare of moreous to the Patient, also attended with low delinium, of which the Patient is ourone, the breath is should difficult, & thereinability to much voluntary histions. There were the Symptones of the Believes Rundeltent lever of warren Clemate Which smiling appears with as in the famour & Centresa a Desperaper colour of the face, list butto, downtouts of of the Pulse, I biting degrees of the Sain, senoto the typhoid office; herein on plans to out of recipically on this form of fine by cotter wit of the bide, I we caloud totun gry tois, some their of a tothe the dyentiting are releived no weccuative follows, there to persone here to see may live l'artire vie Starlfolost.

- —High colour of the urine:—necessary distinction here.—White tongue:—discrimination of its kind and degrees.
- 141. Antiphlogistic Plan extensive:—consists of remedies and regimen.—Latter applicable also to other states of fever.
- 142. BLOODLETTING the most speedy and powerful remedy.—How rendered most effectual.—Circumstances regulating venæsection in idiopathic fever;—nature of prevailing epidemic;—nature of the remote causes;—season and climate;—degree of phlogistic diathesis present;—period of the fever;—age and natural habit of patient;—former diseases and habit of bloodletting;—appearance of the blood;—and the effects of the first venæsection.—Local Bloodletting;—often superior to venæsection;—and admissible when the latter unsafe.—Modes of it,—and in what cases and parts each most suitable.
- 143. Purging, another mode of lessening the phlogistic diathesis.—More limited in its effects, and why.— Seldom to be pushed far.—Purging likewise applicable to other states of fever.—Distinction between the kinds of evacuation procured by it, as adapted to these respectively.—Its utility as merely emptying the intestines—as carrying off a large portion of Serum,—or as discharging bile;—the circumstances under which one or the other is especially proper, denoted by—the fulness of the vessels,—the state of the countenance,—tongue,—urine,—perspiration,—breathing,—particular sensations. Remedies especially adapted to fulfil the indication under certain circumstances.
- 144. COLD.—Third mode of lessening excessive action, consists in abstracting the stimulus of heat from

the body.—The temperature of the body in fever very various; hence necessary to discriminate the circumstances requiring its diminution, and the extent of this.—General retrospect of Calorific function (par. 78):—is both a means and an end in the animal economy:—its irregularity essentially connected with fever;—and its restoration an important part of the cure.

- 145. Balance between evolution and abstraction of heat in health.—Accumulation of it necessarily results from increase of former, or diminution of latter; and still more from both conjoined.—Hence its reduction twofold; but such division not distinct throughout.
- 146. Regulation of external temperature—how to be managed; cautions necessary,—Sydenham's practice animadverted on.
- 147. Continued abstraction of heat in many instances unsafe, though temperature of body in excess:—reason of this, and explanation of Dr. Currie's remark on the fact.
- 148. Cooling effect of evaporation—long practically known in particular countries;—proved by Dr. Cullen's Experiments in 1755;—first noticed in living body by Dr. Franklin;—applied to explain certain phenomena observed in the Experiments made in heated rooms, by Sir J. Banks, and Drs. Solander, Blagden, and Fordyce.—Though a principal agent, was not the sole one.
- occurs; but this often the effect rather than the cause.—
 Why sweat not proportioned to the force or velocity of the circulation.—Perspiratory vessels, like other secreting ones, liable to diminished function, from excessive action in the adjoining red capillaries:—effect of former in keeping up the latter;—removal of latter

14 Respirate Normal as for a Sew preature as two Patient can bear especially then the Phlopistic Decharis for a charist a shear of wir will be found essentially necessary, and when the Heal of the let mosphere is rest what can be called cold, the Room should live be grainfiled with the essent, has treatenty when the





mercement of Syphies how when the Semperations of the Body is below the authorist being and the abstractions of the son the standard the abstractions of the low the standard by eneares of Coto brink with he has also sons.

Coto brink will be useful when the thin is hot day, and elive hefewer materia is governor.

necessary, in first instance:—why not to be done by the same means in different cases, explained by principle laid down par. 137.—Means proper when both Power and Action strong;—those proper where Action violent, but Power diminished.

- 150. Affusion of cold Water:—history of it;—the practice ancient, but in general empirical and vague, till iflustrated by Dr. Currie's experiments, and successful practice with.—The kind of fever to which it is especially applicable.—The time and manner of using it:—kind of water employed;—temperature proper in different cases.—When to be abstained from.—Period of the disease at which it succeeds best.—Particular form of fever in which it failed:—conjectures on the causes of this.
- 151. Obstacles to the use of cold affusion;—from its novelty;—from popular prejudice;—from the heat not being considerable or universal.—Abstraction of heat by sponging the body with vinegar and water, occasionally employed with advantage.—Its effects compared with those of affusion;—less sudden and powerful:—the frequency and extent of its application, likewise, necessarily committed to the attendants,—hence liable to mismanagement, and not always safe.
- 152. Cold Drink.—Abstraction of heat from the stomach by cold drink.—Use of this necessarily very ancient, as founded on call of nature.—Recommended by Hippocrates, Galen, and Celsus.—Formerly employed by the Italian physicians, under the title of Diæta Aquea, to the exclusion of other remedies.—Its indiscriminate use hazardous, and why.—Circumstances indicating its propriety, or the contrary;—patient's craving not always a sufficient warrant:—temperature of body,—

state of perspiration;—signs of congestion or inflammation in thoracic or abdominal viscera.—Dr. Currie's opinion, as to when alone dangerous, appears to admit of some restriction.—Its use in some places among the lower classes, to excite diaphoresis in simple fever from cold:—its modus operandi.

- 153. NITRE:—potentially refrigerant effect of when swallowed:—its modus operandi obscure;—not dependent on its absorbing heat during the solution;—most probably from sedative influence on the stomach.—Its operation uncertain, and not always safe.—Circumstances indicating or counter-indicating its employment.—Mode of administration.
- and lessen febrile heat;—perhaps do both by a common operation; but this not obvious.—Vinegar rather an exception, especially in certain constitutions.—Choice of acids:—native vegetable the most universally grateful.—Of the mineral acids, the Sulphuric the most frequently used; probable causes of this:—the Nitrous and Muriatic deserving of comparative trial.—The antiseptic effect of acids to be considered under the second general indication.
- or sedative, improper here;—its power of allaying excessive action under certain circumstances, incontestible. Doctrines which inculcate its uniform operation as a stimulus, therefore fallacious,—Distinction between power and action affords the only practical explanation of its effects in different cases:—application of this, and its importance shewn.—Particular circumstances limiting or modifying its use, even where indicated by the general condition of the system; viz. state of the intestines,—of the brain;—idiosyncrasy.—Means of lessening or removing

when lowely diluted with toto water, and wile be given with solfisty when the pure Phopistin Dicheris is present. It will be found injunious in Delicate Hubit, and where there is a tendency toctood. In some Policate Hubit; and in those who were thoubted with Bys lection type flows it sometimes herduces showns of the Manuel.

Jes his where the action is excessive and the proven deminished, that of more affection to be indicated.

Downles, a lingid state of the bessels of the Brain, marked by a rest the Eyes, flusted Counterweer, Kenon or left, aliveniew, a histographic there was trad of allengant to increase that this, of presence is culturally in property.

165 as a princeal Rule, the Done of for This obligand to end to the on be life than to the to the interior must be regulated by its affects, subson proin more than twice wife, though the estimal application of the interior of the interior without producing their while which in some Persons fravent of interioral was.

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the two first.—Opposite practice of Dr. Brown and Dr. Fordyce; strictures on them.—Extent and frequency of the dose most proper in general.—External application.

- 156. PERSPIRATION or SWEAT, another mode of lessening excessive action; -accompanies the remission or crisis of almost every fever:-hence the importance of inducing it as a means of cure; but the method of doing this different, and even opposite in different cases .- Is always most beneficial when indirectly procured, or when it is the consequence of a favourable change in the system.—Diaphoretic and sudorific medicines, however, often highly useful, especially as adjuvants.—Antimonials the most powerful of these; -all agree in exciting nausea; -erroneous conclusion of Dr. Cullen upon this point. Fallacy of his general doctrine already shewn (67-9); and mischievous effects of its application to low fevers, proved from the result of his own practice.—Under what circumstances antimonials may be freely employed; great caution and nice management required in others. -Means by which their good effects may be often secured.
- 157. Of the choice of antimonials; —James's Powder, Pulv. Antim. Ph. Lond. Tartarized Antimony: uncertainty of the two first; —causes of this. No specific antifebrile virtue in any of them: —pernicious error of a contrary belief respecting James's Powder.
- 158. Of the 2d general indication,—viz. to increase those actions which are defective.—Most agents applied to the living body, capable of increasing action in it; and hence the universal conclusion drawn by some, that all powers operate only by stimulating, and differ merely in degree.—Error of this already demonstrated (71.)—In so





complicated a machine as the living body, same or similar ultimate effects often arise from agents differing widely in their primary operation:—proof of this in the opposite causes of febrile commotion.—Hence the second general indication sometimes fulfilled in part by means chiefly adapted to the first.

- 159. Tonics and Stimulants.—Certain remedies, however, operate very uniformly by supporting or increasing action;—and hence properly called tonics and stimulants:—these especially proper where power, or action, or both, deficient.—Though power physically necessary to action, the converse also true in the living body,—or action necessary to the maintenance of power,—Power and action far from commensurate in disease;—application of this to fever.
- by the febrile states in which they are respectively found most useful, e.g. intermittents, and low continued fever.

 —Importance of this, and pernicious error of Brunonian school demonstrated; with recantation of some who were once its most strenuous advocates.—Cinchona seldom beneficial in continued fever of any kind:—symptoms absolutely forbidding its use,—as shewn in state of tongue,—of skin,—of intestines,—of urine.—Circumstances admitting its employment:—answers best in convalescent state, and why.
- 161. Simple Bitters not powerful in Intermittents, and of little use in Continued Fever.—Stimulants:
 —Serpentaria one of the best:—Contrayerva of little use.—Sulphuric Æther.—Ammonia, &c.
- 162. Camphor;—its modus operandi obscure;—even its taste combines opposite impressions;—appears to act directly on the Nervous System, and hence per-

I's If the Inpus is moist the fork there is an equable, bus weather on the Phisis, or a tenderay to presence perspeciention in an deficiently in Breathers, the Mis the boards was to five of the Boards of the Boards of the Boards of the Board & the second horses to get the Chair that are one who hales hard be then you were to be oist from fine is.

62 Pary hor may be proin in the low stage of Typines fever

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163. Jul hasand seen the Orimeral acids of use in the beginning of beau, but the southable, he has. 164, Bater intoupaated with Coul and Jac, may be give The has seen Gearl gives as combinations with Back in the further of to the sportful to an owner of half of the Ban with dreed of good effect in the haller stage of Tophers, of he from with dreed of good effect in the haller stage of Tophers, or he from that more Back could be staken when joined with it without producing any effect on the Stomach. The also found it worful in the Remitting Fever which the Frospo laborined under on their seture from Malterias, and particularly when they were in a the form of Enema, when it could not be taken by the hearth 165 Phone there is a red un donce of Mucus with Presence bear, Whalies com brie with it and mender it more casely for their purpose the last of Potasts army be five in except in the effective prompts. useful thous the stimul water Dia shorties already mention in Dear there the locanations saule acid alkalis will be Justin, also when there is a ned und any of Bile and it aprimes a green extour after it has hafred off.

haps its use occasionally as a stimulant,—sedative,—or antispasmodic:—nevertheless has no considerable or specific febrifuge virtue; and chiefly useful as an adjuvant to Antimonials, Serpentaria, &c.—Its combination with vinegar highly praised by Huxham; but his commendation evidently more from theory than experience: improbable too from the smallness of the dose.—Would native vegetable acids improve it?

163. Acids in general chemically antiseptic; and by resisting or correcting septic tendency in fever, may prove tonic. But by some affirmed to possess specific febrifuge power:—the fact not yet verified by general observation; and Dr. Reich's theory respecting them, shewn to be highly improbable in itself.

erfully antiseptic out of the body, and highly useful where septic process takes place within it.—Different forms of administering it, and their respective advantages.—Perhaps Yeast useful only as containing carbonic acid:—the evidence respecting it contradictory;—inconveniencies attending its employment, and mode in which these may probably be avoided, without lessening its efficacy.

165. ALCALIES in general, formerly much employed in fevers, to counteract their alledged cause, a predominant acidity. Their use, especially the Carbonate of Potass,—again revived in North America, and highly extolled as most powerfully antiseptic.—Occasionally serviceable, but greatly over-rated.—Circumstances under which they seem indicated.

166. Wine the most grateful of all remedies as a tonic and stimulant in certain states of low fever: reasons for this:—Pernicious error of considering it universally

such, and consequently indicated in proportion as living powers appear sunk, or their actions diminished.—Recapitulation of general principles respecting greater or less permanency of febrile impression—from the nature of its causes,—and from its degree or duration; and application of these with regard to wine.—Circumstances limiting or precluding its use, especially state of the brain.—Dose and management most efficacious.—Choice of wines;—Cyder,—Perry,—Malt liquors,—Punch.

adapted to lessen morbid irritation in the low state of fever, equalize the circulation, and relieve the oppressed powers of the system.—Obstacles to its employment.—Warm affusion may often be usefully substituted.

168. FRICTION WITH OIL.—Strong testimonies in its favour, in preventing and curing the plague.—Its use in fever very ancient—its modus operandi inquired into.

—Proposed in Yellow Fever, and Typhus.—Circumstances under which it is indicated, and mode of using it in conjunction with cold or tepid affusion.

169. Of the DIET generally proper under different kinds of fever.—Of strong cravings for particular and often unusual articles of food or drink.—Under what circumstances to be considered as indication of Nature, and freely indulged.—Remarkable examples of this.

170. Third general Indication, viz. to restore the due train, or order of succession, in those functions which have had it disturbed.—This in part fulfilled by the means adapted to the two first indications;—but often speedily and effectually accomplished, by exciting another commotion, which breaks the morbid train, and allows the natural one to be resumed.—No specific

166 he no case ought we to even this quantity of a Puit in 24 hours, & to the extended decont, butter face - nat half a frent wile to sufferent, It ought a twenty to be delited with angual quantity of trater, of there is want of Head in the Body the water ofted be warm & some fratiful thromatic joined with it. Port or Cherry are the west firsper, but if the Catient has a preference to any There be may be indulyed, if hi has been accustoned to ardent friends, familiable be best of there is a transverse Port ought to hopive as it, hotting my will be advanting cons. If the Patient freefers mall hearth he hould be indulyed as they in general will be found equally weeful. 16. In Sufunation of the Water Such wele be former ducht serviceable is that how at to glo, for the Patient wite he will to une in it topen, and if with produce a much more softiers and feeligel effect them a higher one, but it we wish to being our regues purposertion in color to receive land Poexestion in consequence of local lattante one cituause the Head fraducally to, go, then of fundinations seaked order the Forehead and the Patient is easy we from raising it to 100 Joes, and the Catende thoule define in longer them usual in the Butto, and whouse want to rooth bein an a just mis general Prespiration the forener Functionality viewle to better. We must green against the reduce ve provaless of the Head after that Palient has come on to of the Batto. in the latter stage of Trous where there is an estated to he use of the Buth from the unevalue marker which with est effect of the Butto the Safed reflection will be found The All and very beneficial to the Drew. The Offerein way be and Shew there is no local influed To a the strong or any for facture of the sisies, presidently of the sisies, presidently by tood habits, should always be and when the states of Fewer this will be requestly after it for structure of the cross is har taken blove, an indulped in to receive if the cross is har taken blove, an indulped in the west of twee she in pressure a desire for fragues was induled I twee she in pressure a desire for fragues was induled I should so Pounds in 6 Days of the charts harapidly pot will.



171. The autimornial Sunters are generally given in tevers, and when there is any considerable action in the Pulse they are expecially useful; but in weath labels the Central with the Autimore. Jastarais:

172 Their there is any local inflammation a congestion the Autimore of the in any organ, a lofister application the mighton flood of the hart will be extremely writed after the bessels have been made of their Oblood by local Medica.

173 mon and he was beaution of the a time and without they are any discharge of the allisters and without they are any discharge of therefore do not weather as freducing any discharge of therefore do not get of the Stomast the latter. They may be applied to the fit of the Stomast with a do out of the alleay inexpound branches.

remedy for this purpose:—occasionally effected by different and even opposite means;—and hence Medicine stigmatized by the ignorant and interested, as merely conjectural.—Injustice of the charge shewn, and its mischievous consequences pointed out.

- 171. Kinds and stages of fever in which this method of cure (170) is successful or safe.—Often injudiciously attempted by cordials and stimulating diaphoretics;—said to be accomplished in many cases by profuse bloodletting;—is certainly so in others by cold affusion;—but most effectually in general by Emetics.—Rationale of their operation; some more efficacious than others;—why so.—Occasionally fail altogether, or give only a temporary relief.—Means proper to aid their good effects, or to secure them when attained;—cathartics,—diaphoretics,—diluents,—pediluvium,—blisters.
- 172. Remarks upon these several adjuvantia in the cure of fever,—and the cases to which they are respectively adapted.—Blisters operate doubly, viz. as evacuants,—and as stimulants.—Circumstances to which one or other, or conjoined operation more especially suited;—period, and place of application, regulated accordingly.—Dr. Lind's testimony of their great usefulness in the commencement of fever, subject to some doubt;—why so.
- 173. SINAPISMS:—operation of them, in what different from blisters.—Their use more limited; but sometimes greatly superior.—When especially indicated.—Where best applied, and management of them.
- 174. Other remedies occasionally employed;—but these rather suited to particular fevers, and to be considered under them respectively.

The symptoms occurring in individual cases of fever, so various in degree and kind, as to make their combinations at first appear innumerable; but certain limits to these combinations evident on farther observation; and fevers accordingly distinguished into Genera by their leading and characteristic marks; and into Species and Varieties by their secondary and accidental symptoms.—The purer forms of each, however, or the genera of fever, can alone be described and treated of in a course of lectures;—a discriminative knowledge of the species and varieties, being acquired only by personal attention to the influence of constitution,—habit of body,—climate,—season,—and other causes, as illustrated by Clinical Practice.

The necessity of accurately investigating the mode of attack, and the probable causes of every individual fever, and also of a watchful attention to its general type and progressive variations, inculcated, as the only means either of justly comprehending, or successfully treating, this multiform and important disease.

OF SIMPLE INFLAMMATORY FEVER.

175. The καῦσω, or febris ardens of the ancients? the Synocha of Cullen;—origin and meaning of these names.

176. Characteristic symptoms;—chilliness followed by violent and continued dry heat,—flushed countenance,—suffused redness of eyes and skin,—frequent, strong, and hard pulse;—acute pain of head and loins;—heaviness—and aching of the limbs;—white and dry tongue;—thirst;—costiveness, and high-coloured urine;—vigilance,



176 hetelerance of sound, deficely of Suchie, constance nause or ever monthing to Freshmen, good the Gelmin 177 Persons of a Confuneous, and o me times trose of a cholive Imperement one the outgut of this Ferr full and intemperate livers, hand exercise, and longs of the Van 17. When any of an becomes affected then the Disease totally belongs to the Phlymeries of Debullon. When the Complaint territorate fatille it is zenerally within it araise occurs 180. This fever is attended with greater ingelance and morrained burning that their typicaha, the Pulse is not so full & hard, but quicken their umal. The Inque is exerted in the beginning with a yellow few Intafterwends it becomes brown Down, theexerctions one very fatid, cest unifrequently accountilled quantity a copping her of the continues, eyes of frank the Patient luys in a theto of stupo Koenfugo comes a coally. 101 hadradoux encountraces Contaproverile produce is, but it is by no means a fund all rule:

or disturbed and delirious sleep;—occasionally tightness across the chest, intolerance of light, &c.

- 177. Why not so common as the other kinds of fever, and why perhaps less so now than in former ages,—shewn from the circumstances of constitution necessary to its existence. What description of persons especially liable to it.—Predisposing and exciting causes.
- 178. Sometimes terminates in inflammation of the brain, lungs, liver, intestines, or joints; or changes its form, and approaches to that of typhus,— thereby constituting the *Synochus* of Cullen.
- 179. Remedies:—Bloodletting general and topical,—Cathartics,—antimonial diaphoretics.—Digitalis.—Nitre. Blisters;—Cold affusion?—Remarks on these, and on certain combinations of medicine which display peculiar powers.—Emetics seldom required or useful in Synocha; and why.

OF THE SUB-INFLAMMATORY FEVER OF COLD CLIMATES.

- 180. The Synochus of Cullen:—his definition of it.— Circumstances in which it differs from Synocha, illustrated by—the season of the year,—the constitutions and habits in which it chiefly takes place, and the symptoms that attend it; especially by the speedy and great change from the first or sub-inflammatory stage, to that of impaired power, as marked by—the state of the tongue,—pulse,—excretions,—countenance,—eyes,—and brain.
- 181. Question—how far connected with Contagion, either as a cause or consequence;—and therefore, in what sense Dr. Cullen's definition to be admitted.
 - 182. Variation of treatment from that proper in Sy-



179. de leur more, muy meyor l'anverir cecurs our Hongithe we every carrier in a preme das very some Truck to Being inne. When there is any to sai het an mateur a curses now, topicean obsorbed with he highly secretable, the lacen in thereties write be develous and useful, an our uspec is it weems currented action, on the herrice a seronobischaufer. The letting. Deafter continu of some time to an to produce a lecusiation offect. big italis with to formed a norful ledgewant, us it have a proventiel effect on the vascular segotion, and after bot. Shathweting have been suployed it wile he found fruitienlands useful in towering varientary active sprewenting it, cincia are. who disolved in Bouley Water forcommen Dente, Polister hould be abstrained from in the commencement, but to ind topical Blading theywile be asoful. Cold afferour. of or wish to suffly this levely, we much have accourse to it instruction the continuation of Jack thatin & They datument of fact that the shirt where action on the Boxeles. I'ch has seen the digetains combined with the auties: Diafhableine increased after of produces Annuation to the o him, and where the latter have been they will not be found to produce that beneficial effect they to in other troins, but whom it is attended with house never have reason to think it has been produced by Errors Cold affero con is and on weful here, wo when the head this from it is cannot by the increased outin of to heart & lectioner.

nocha:—an opposite extreme too often pursued in the Second stage;—reason of this mistake, and its bad consequences shewn.—Why Venesection less, but local bleeding and purging more necessary.—Certain purgatives especially useful: proofs of this; and marks whereby to regulate their frequency and strength.

183. Other means proper:—Local bloodletting,—Diaphoretics,—Pediluvium;—and occasionally Emetics,—Blisters,—Opiates,—as indicated by particular symptoms.

OF INTERMITTING AND REMITTING FEVERS.

184. Definition;—Fevers consisting of repeated paroxysms, which seldom recur oftener than once in twenty-four hours, and have a complete intermission, or very considerable remission between them.—Vulgarly termed Agues;—whence the name.

185. The symptoms attending the respective stages of an Intermittent, already described (par. 15.)

arising from moist soils impregnated with a quantity of vegetable matter in a state of septic decomposition,—the essential cause of both Intermitting and Remitting Fevers;—hence such fevers endemic in marshy districts; and occasionally prevail epidemically during very wet seasons, even in high and usually dry places (52), so as to appear contagious.—Reasons for thinking pure Intermittents never contagious; but that Remittents sometimes are so.—Causes co-operating with Marsh or Phytoseptic Miasmata to give the remitting form:—hence shewn why Intermittents and Remittents often change into each other, and both into Continued Fever;—why reverse of this last change less frequent.

187. Intermittents in temperate and cold climates

182. I may nave recourse to the humost out in more. a tron in the countries secured with out and coffe, and con that cut anort the high vacculous actions of the course way debition which cognitofoliga, but more more ment in where the Firem is hall up top compressing course, as our when of the reserv. But we present to find their rocal bolood letting is more and a too to the Institution of the hid ined wals from this From ser walls attents. When the explasion your estate de mornied we much este ou rocal bleedings. In the Sulland Pago Calound the taking Continuetre que cole uster, where the suretime of the Boundson we were good for rains of calonet with be highly are in allo where dericin confestion of the never, where the attent is only int Diaruha Pheir Rajo out will be better. the the ever increase and of the Progresoft is bed. The cold left soon course the Safetion of the Sefet of the sound of the Sefet of the series of the sefet of the series tier will be fur friend the by uning, but af transcredo the one stimulating as lig ! Courses but, Varpul, Contager Ind ancurried busting will be more trought than it for which a defend at the ouself, farticularly where the tomach is denanged. Blisters may be applied at this attention from the Histories when there is any local confer attention from the fittle Disease when there is any local confer. ion after bearing. Prenty are ormetimes useful, butternat e wentered on with a culting, they may be prom when there Acturementaconfanied with confection of thered the Brain, also formed with Diaphor to prevent their when the He de and the formed of the former of the Prema boile when the son der of the Prema boile was fair own the transles with frame boile former own the transles with frame to be prouded to both the Head and always of the But the Head and always with any fever would heavene Contagions, out as arewin is want of dree clean lines & per ventulation.







most common in Spring and Autumn:—reason of this,—and also why the vernal are milder, with somewhat of inflammatory diathesis, while the autumnal are more severe, and rather shew a tendency to the low continued, or typhoid form.

188. Division of Intermittents according to their periods of recurring;—as Quotidians,—Tertians,—and Quartans:—occasional instances of more distant periods, as Quintans,—Sextans,—Octans, &c.;—but these latter very rare, and then seldom steady.—Other divisions into Single,—Double,—and Triple Tertians and Quartans;—Sub-intrants or Sub-Continued, &c.

189. First three types by far the most common, and especially the Tertian.—Their respective characters as to hours of attack,—length and severity of paroxysm,—comparative danger,—and difficulty of cure.

190. Intermittents and Remittents also variously denominated from particular or predominant symptoms; as Leipyria,—Assodes,—Elodes,—Syncopalis,—Carotica,—Epileptica,—Tetanodes, &c. accordingly as the paroxysm is chiefly marked by—unusual coldness—excessive heat and dryness,—profuse and long continued sweating,—or is attended with fainting,—stupor,—convulsion,—or violent spasms.—Lastly, they are called regular or irregular, mild or malignant, bilious or inflammatory,—accordingly as their type is steady or variable,—their symptoms moderate or dangerous—or as they appear with redundant or deficient excretion of bile,—or with inflammation of some important part, viz. the liver,—lungs, &c.

191. These distinctions (190) often useful in directing our attention to the relief of certain organs and func-

tions of primary consequence; and especially in those countries where such fevers proceed with great rapidity to a fatal termination,—or to lay the foundation of other slower, though not less dangerous diseases:—But those denoting the period of recurrence, most important in general; as marking the time we have to employ with effect some of the most valuable remedies.

192. PROGNOSIS,—to be drawn from the age,—constitution—and habit of the patient;—the season of the year;—the type of the fever,—its degree,—its being sporadic, or epidemic;—and its being simple and regular,—or anomalous, and accompanied with other diseases.

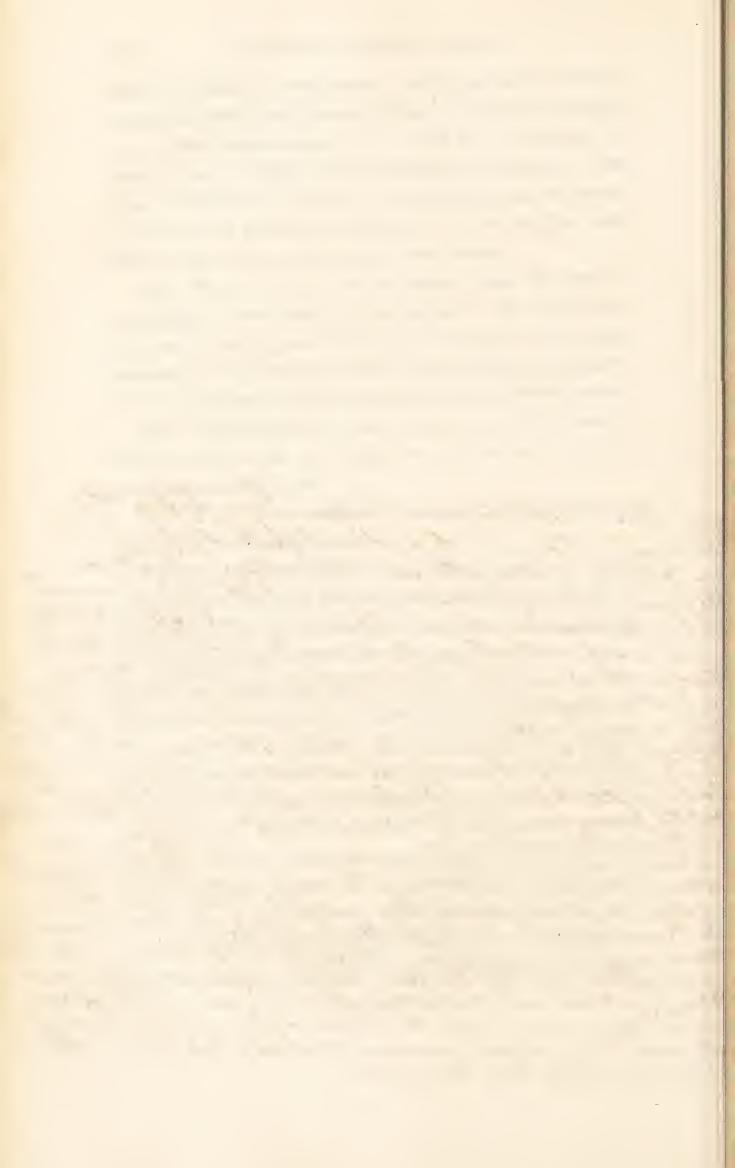
193. Consideration of the question made by several authors—How far it is right to put an early stop to mild intermitting fever.

194. THE TREATMENT OF SIMPLE INTERMIT-

TING FEVER consists in,—

FIRST,—When the paroxysm is approaching,—(and provided the strength and other circumstances will allow of it) administering near to the period of accession, certain remedies capable of exciting an opposite action or commotion in the system, so as to break through or suspend the morbid train about to take place, and thereby entirely supersede or greatly mitigate the expected attack; e. g. Emetics;—Opiates, either alone or combined with Calomel.—Various stimulating articles taken into the stomach, or applied externally.—Compression of the femoral arteries.—Circumstances under which one or other of these means is more especially proper;—or which give a preference to certain individual articles over others capable of fulfilling the general intention.—Remarks on the operation of various mental impressions

194. Fan Pruetro be given halfan hour before the paroxyon, it prequently puts a stop to it, if ned it. subjectes it, in strong becomes the relaxing histion as the puparations of Centimony will be bed, but in weak Habit, the Frame Emeties, as Sulph Times wel Cupic but this is not so safe as the Live, which may be combined with the Theode with advantage, where we down It wentwice to proe in Emetio, opiates know less botituted with advantage, where here is vasculur sofestion, it may be joined with Drafts: on alouel, this many be given when there is Biliary of truetion, it wile also be found would after Instice on by fiving a rufic circle quantity to produce the alion in 21 hours it may pare out the paragram, but DE. has a ever found it so this with all the afriction wood Fracis. Stimulation between may be given in the cold stage to as two and the Hot are cetter on hime, but in Olathonic ograf abitive on he wel to give then except in the Cold stufe. he Person's ofadrlicate Habit the Confunction of the Fernand tonis enay be advantagious; Porougul informacions on the hind Den fight has sometimes this effect, a case-related of and ielvan Aquerous cured by the Person obling into a prool of two even Disfuot at mansions and his has been sufficient I to hut a Stop to the Paroxyon,



you he bet way of piving the Back is in doors of 30 were three or four hours, oto phis if I when the Paropers on but me devotion and even ble the Stormach south to form the stormach the Bound and even ble the Stormach beautiful to the stormach for the bound writer had acceptant found equally once of ful as the Back: At her sees the fallowing advantage on a first when the (unilone has been failed, five in the done of 50 thind in it once to prince with the start and wanting the form the form the first and the first the sees the start of the start when the sees the start of the start of the start when the sees the start of the start of the start when the start of the start week the start of the start was the start of th

195 When we employ Cold affersion Nohould he build recourse to before the paroxyour shows it, elf, and in I the Hotoric Habits, Show the Heast of the Shin is freak.
In the owenting theyo the Patrick ohours be the Aries Minulants have been recommended in the cold stage but we should remember that the following stufe is accompanied with considerable actions, in of one Habit, however they may be processith courtins. If would fre. for Cether, he has over opening from but aldown with any he the hot thege when there is considerable Alorein At they and hastens on the weating one, Deflus never Surgations should be jiven to as to produce their offentions of the Pyroline their of the hot stage, which will offen should be produced to produce their offentions of the Paraxyser. In Patent should be authorized against drinking the Patent should be authorized against drinking any cold his was during the ownating stages. 197 If hefland or compertion of any Organ occurs it no intermettent was present, and hunthe oyan When the betermittent aprimer the continued form we should and be too her tyin the wor of Bank. When Hories Dysenting we away from Calomelesthe Palvis antimornialis or Therews: and Shen the Paroxyours Whaly to come on combining The with Opining; formally the tever is of the continued form when we should treat it as souply Degranticy, dutum this is semond we shall find the afrement the Artismittent form again, when we among fine the would Roundies of Diarrham attends, Commaticis and Their will be proper, where there is an enlargement of the please we aren't have recovered atters. two tones of Mercury. When there is farmedire, frequently by oney an hunter we cause an effer our of Bilo ento the

Lasty with purally beauth by the same means as the ague

in the cure of Ague;—and conclusions from thence as to the essential nature and primary seat of the disease.

- present,—Mitigating the violence of the symptoms proper to the several stages respectively; as—Of the Cold Stage, by the warm bath,—pediluvium,—warm diluents, &c.—Of the Hot Stage,—by bloodletting (?)—by Cold Affusion (?)—by Opiates,—cool drink,—Nitre,—Antimonials,—Purgatives, &c.—Of the Sweating Stage,—by regulation of external temperature,—cooling sub-acid, or diluted vinous liquors.
- Taking advantage of the intermission, to increase the tone and vigour of the System, and thereby to postpone, mitigate, or entirely prevent a recurrence, as well as to obviate the chance of subsequent diseases;—by—various vegetable tonics,—as Cinchona,—Cort. Salicis,—Cort. Swieteniæ;—Cascarilla, &c.—by simple bitters, either alone or combined with Vegetable or Fossil Astringents and with Aromatics;—by certain metallic preparations,—as Liquor Arsenicalis,—Sulphas Zinci et Cupri,—different Chalybeates? &c.—Directions as to the choice, dose, and management of these several remedies.
- 197. Variation of treatment necessary when the Intermittent is accompanied with inflammation or congestion in the—liver,—lungs,—brain, &c.—or attended with diarrhæa or dysentery,—or with obstructed or enlarged liver or spleen, and their consequences;—jaundice,—dropsy, &c.
- 198. REMITTING FEVER.—A compound disease, made up of Intermitting and Continued Fever combined in various degrees and proportions; and having a

well-marked double or single quotidian, or a tertian exacerbation.—Requires therefore a mixed plan of treatment, regulated by the predominance of the Continued or Intermitting type,—by the nature of the Cause which co-operates with the Miasmata to give an inflammatory,—bilious,—or typhoid form;—and by the case being attended by some prominent and urgent symptom, or complicated with some other disorder (197.)

OF THE ENDEMIC FEVER OF TROPICAL CLIMATES.

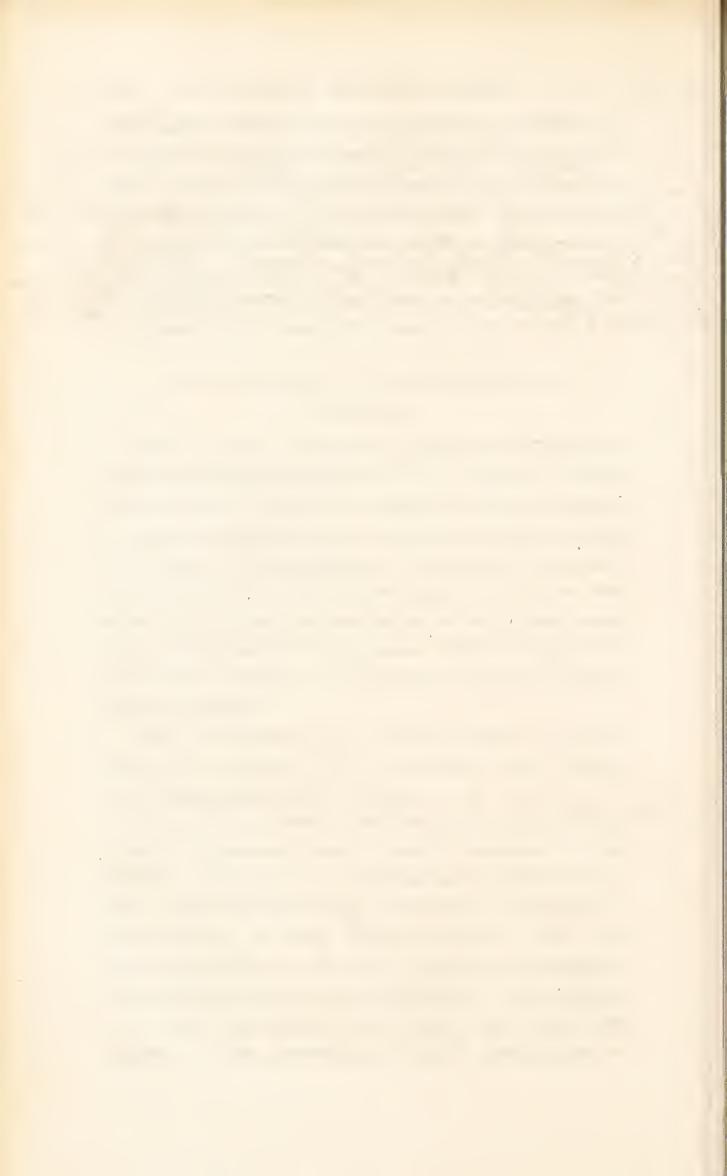
and long resident inhabitants of such climates, but still more upon new comers; viz.—miasmata,—heat,—fatigue,—occasional intemperance,—certain conditions and sudden changes of the atmosphere.—Assumes the Continued,—Remittent,—or Intermittent type, according to—the season of the year, the constitution of the patient,—and the combination of exciting causes.—Often changes with the season, and other circumstances, from one of these types to another.

200. Symptoms of the two first types, as constituting the ordinary Bilious Continued, and Bilious Remitting Fever of hot Climates.

FIRST STAGE,—heaviness,—anorexia,—general lassitude,—occasional transient chills, succeeded by hot flushes, and these by continued and often intense heat of skin,—quick and throbbing, or hard pulse;—headach;—glairy, white, or buffy tongue;—nausea,—pain, and often burning heat at stomach,—retching,—vomiting of slimy or bilious matter;—great restlessness,—deep sighing,—excessive anguish and sense of oppression, particularly referred to the præcordia;—flushed countenance;—

tiseco and the headened Dafted Douch hoffen for and continued for who he had been the formally occurs in Persons of a technic Habit in the or the or and the way within the work of the dear of the dear of the or and the way within the commencement of as a continued their soldows and sustained from the Brank as first. In women Climates the survey of a pure of the first form, then the first of the live of the first on the Special of the live of the Special of the live of the Special o

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suffused yellowish redness of eyes; high coloured bilious urine,—strangury;—partial sweats, of a peculiar faint smell;—great watchfulness;—delirium.

SECOND STAGE;—Pulse becomes weaker, and less frequent;—heat considerably diminished;—clammy perspirations;—tongue black and crusty;—retching almost incessant, often bringing up a coffee-coloured matter;—hiccup;—black and fœtid urine and stools;—death-like sensation of faintness at times: Occasionally, yellowness of the whole body—lethargic stupor or wild delirium;—tremors,—convulsions,—death.

201. Anomalous Symptoms;—general or partial numbness; — tetanic spasms;—suppression of urine;—syncope;—great coldness of particular parts, &c.

202. Symptoms especially marking the aggravated form of the Tropical Endemic, and constituting the Causus Icterodes, or Ardent Yellow Fever.

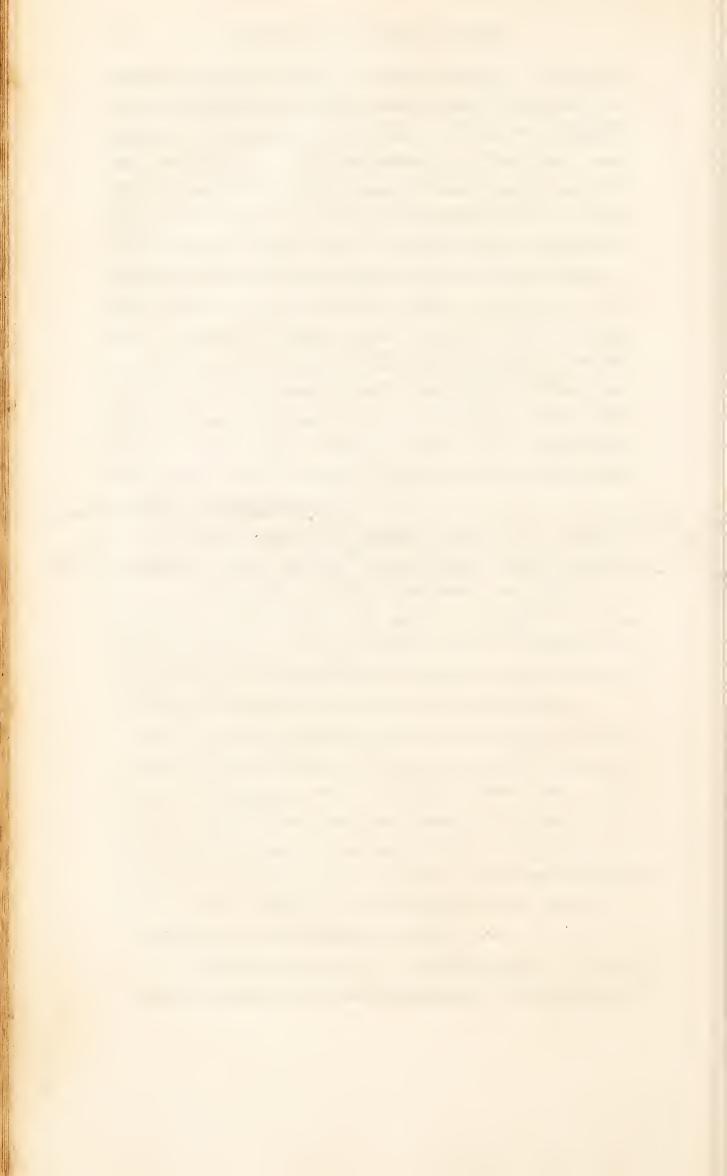
FIRST STAGE;—Sudden and violent attack of pain in the head, back, thighs and legs,—with giddiness,—great prostration of strength, and often a fit resembling the stupor of apoplexy or intoxication;—acute burning pain at stomach, and almost continual vomiting, at first of slimy, but afterwards of dark coloured, and sometimes bloody fluid;—eyes red and protruding; face and neck suffused and tumid;—countenance grim and terrific;—arid scorching heat of the skin;—tongue leaden-coloured and glairy, or morbidly clean and red;—intense thirst;—extreme restlessness and anxiety;—hæmorrhage from the nose.

SECOND STAGE;—After a paroxysm marked by a number of these symptoms, and lasting from a few hours to two or three days, a deceitful appearance of remission takes place; the vomiting, headach, burning heat, and

delirium, greatly abate, or nearly disappear; the pulse loses its hardness, and falls even below the natural frequency: the patient eats, drinks, and declares himself well or nearly so. But the interval is often short; and either a repetition of the same violent symptoms takes place, with marks of greatly diminished power, or the patient sinks at once into a comatose state, only interrupted by hiccup, and vomiting of dark coloured fluid,with black and fetid stools,-yellow suffusion of the skin, varying in degree from a sallow hue to a deep orange tint,—interspersed with livid blotches, or ecchymoses, and accompanied with discharge of blood from various parts, especially the nose, mouth, and intestines; — the scene closing either in a convulsive struggle,—a state of torpid apathy,—or in a calm and collected resignation of life.

- 203. Such the general picture; but various anomalies observed in the mode of attack;—and in the number, violence, and duration of the symptoms; arising from—constitution and habit,—the nature and degree of the predisposing and exciting causes,—and the neglect or employment of preventionary measures,—or the mode of treatment adopted at the first onset of the disease.
- 201. Causes tending to produce this aggravated form of the Tropical Fever, and operating especially on newly arrived Europeans; viz.—irritable, tense fibre;—plethora;—rich blood;—sudden change of climate;—imprudent exposure to the sun's heat, or night air, and dews;—continuance of accustomed but unsuitable diet and habits;—anxiety of mind and fear of death,—or despondency and indifference to life.
- 205. Question—how far depending upon stationary endemic causes of soil and temperature,—or upon occa-

203. It has been of served that before the fourtement comes on, there is a dreshwiess of the fourtements, and beg proper attention the attents may be presented at this time.



more the Derangement of the Lever, Awile and he formed the bound the formed the formed the formed the former that and he formed the fewer has been and for the first and the fewer has been and of the first and the fewer has been and of the first and the first and the sound they are for they are you in formed with an and to the fitter the strong and the strong of the parent of the strong to far for the strong as from the strong to feel a south to form a strong to send the strong th

206. heflow on the surface of the House bounds and of the Oplain estimate, also of the made later true & frequently following to how bounds for Destroy fallow for the Much would be consist of the authors how on of the Much would be toward to an effective of the Monach and free in of the Monach and artiries of the Monach

209 he fale Ablethousi Stability bod world be accused any wader to relieve the vystem of the peak accused later with Motord. but in delicate Presons defect I Blad is with la vafficient. The hereword Propations without the best suited to this four flaint. There excessive Initability of the south of which comes as with he aclaired by terrily Page stone of the third comes as with he aclaired by the this is forther in a Discase there the stomash is so in table. Cold affection for decions by a flory with the found of give peak release. In the appear and from I with an extension by in from I with an extension by a private relief. In the appear and from I will the amid we see sometimes fever in the amid we are sometimes for an amount of affine with the applications of affine the store and fallering the tribust, together with the applications of affine the store and the store with the applications of affine the store and the store with the applications of affine the store and the store with the applications of affine the store with the applications of affine and the store with the applications of affine the store with the applications of affine and the store with the applications of a store the store the store and the store the store and th

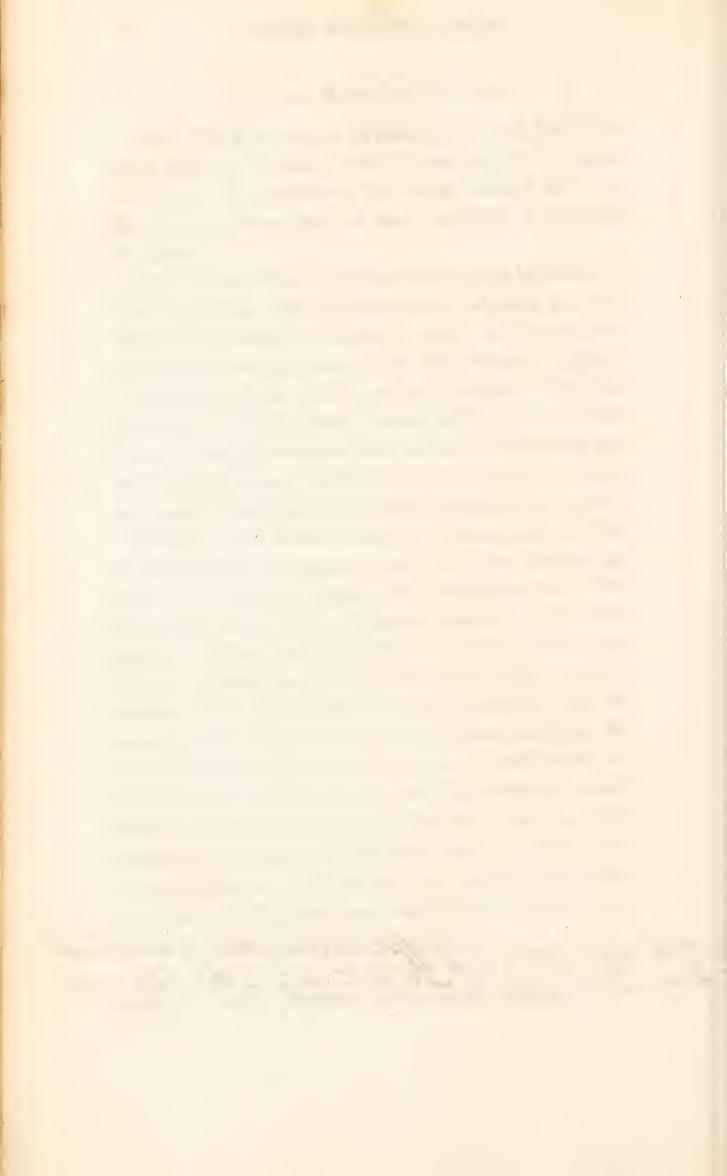
sional and peculiar influence of atmosphere;—and whether ever contagious: with the variance among writers concerning these points. Proofs of its being occasionally joined with contagion, and assuming a new character in consequence, viz. the Typhus icterodes, or Malignant Yellow Fever.

- 206. Description of appearances on dissection, and the remarkable discordancy of different writers.—Opposite opinions also respecting the yellowness;—and an attempt to solve the difficulty, and establish some general and consistent views of the disease.
- 207. Prognosis—extremely uncertain; but, in general, proportioned to the violence of action on the one hand,—and the defect of power on the other.
- 208. TREATMENT of the ARDENT or MALIGNANT YELLOW FEVER, hitherto very dissimilar, and extremely unsuccessful:—Causes of this.—Remarks on the different means recommended, and an endeavour to shew, how far they are respectively adapted to the general nature, the present stage,—and the particular predominant symptoms of the complaint.
- 209. FIRST STAGE:—Bloodletting, general and local:—Cathartics; what kinds best.—Cold affusion:
 —Oily friction.—Emetics?
- 210. SECOND STAGE:—Tepid bath or affusion, either alone, or alternated with cold affusion.—Spiritous fomentation. Blisters.—Mercury.—Opiates.—Antimonials?—Cinchona?—Quassia and other Simple Bitters:—Cusparia:—Cascarilla:—Serpentaria:—Æther:—Ammonia:—Vinous and Malt Liquors.—Essence of Spruce?—Spruce Beer.—Coffee.—Acid Fruits.—Cold Water, &c.

OF THE NERVOUS FEVER.

- 211. The Febricula of Manningham,—the Slow Nervous Fever of Huxham,—the Typhus mitior of Cullen. —Reasons for preferring the name adopted above, as designating a description of fever requiring a particular treatment.
- 212. Symptoms;—general languor and lassitude; loss of appetite, and depraved taste; -dulness and confusion of thought; -sadness of mind, and dejection of countenance; -respiration short, with frequent sighing; -general chillness, with occasional transient and partial flushings,—and disturbed or unrefreshing sleep:—these often continuing for several days without confinement, and with but little notice, till followed by-aching in the back and limbs,—dull pain in the head, especially the occiput; —giddiness, and tinnitus aurium; nausea, and vomiting of insipid fluid; -frequent, weak, and often intermitting pulse, with sense of anxiety and oppression about the præcordia, and excessive faintness, especially in the erect posture.—There is still little thirst or heat of skin;—the tongue is tremulous, moist, and covered with a whitish mucus;-the urine watery or whey-coloured;-and the bowels rather costive: -- but as the disease advances, the heat increases,—the tongue becomes dry, and brown, or morbidly red,—the urine scanty and high-coloured,—and either considerable sweating or diarrhœa comes on, with deafness, drowsiness, and delirious sleep-or coma, subsultus tendinum,—cold extremities—clammy sweats, and involuntary discharge of urine and stools take place, followed by slight convulsions and death.
- 213. PROGNOSIS.—A salutary crisis is often preceded by slight ptyalism, or moderate diarrhæa; but

23. If the Stools couries & of offensive matter, it will keep I the Symptoins, which will five way as this papers off.





217. In the creatment of their Discourse were Down find that to athergeneral or local is indicated by the fegining a brish Sweetwar premently found to cut short the winds train of Symptoms, this embination of Spaces of Jack. Out is the best. The Puryative 34 has generally relied on is Chartest, and chere thesecretions were depresend be joined it with Caloniel Bliston behind the beek with remove that turdency to Deliner, and wight of the Read, much tetter than bo. Int when there is a greated determination of blood with head thanced in my, a how here his with he for show. Safertaniand Contragerou are the most practicable Draphs. He ligit common Cach is also properture langle or anealy suggestion in the form of fully as a webell for the lag. a an alettica, a introductioner in dorses of frie for wrong how or in hours, but a Moston there is a court the all on the the hushis a secredy factionlusty suited tothis Discore. and praise in Done offer to tof the wile perduenced to abato Delineum. Therew may be given in vinale dores to alley the colliquation Dischero, and abuto Delireum. his ohe he processin omale quantities as an article of Diet and to harf of the thing the White lain a leur taid when are facticularly writed, as they will produce and a diarrhua the four commatice among be exhibited griend with only of the above Remidies; or ather then there is bullet full This is a Disease which will often continue for many herk without producing any ungent symptoms.

Deafness without insensibility is favourable, as are scabby eruptions about the mouth, or boils in other parts:—while profuse evacuations,—partial clammy sweats,—cold extremities, subsultus,—and insensibility,—with tremulous pulse,—portend great danger.

- 214. The CAUSES predisposing to this form of fever are,—a thin, pale, and weak habit of body,—great sensibility of mind,—much study and watching,—vegetable or poor diet,—grief,—anxiety,—profuse evacuations,—excessive venery.
- 215. The EXCITING CAUSES are,—Cold, especially with moisture;—Occasional Debauch,—Contagion.
- 216. General character of the disease deduced from these several circumstances.
- 217. TREATMENT as founded on this character:—
 Early brisk Emetic:—Gentle laxatives;—Blisters—
 Diffusive diaphoretics—Pediluvium,—Camphor,—Musk,
 —Castor?—Opiates;—Wine;—Serpentaria,—Ammonia.—Serum vinosum vel Sinapeos:—&c.

OF TYPHUS FEVER.

- 218. The Malignant contagious, Petechial,—
 putrid,—Jail,—Hospital, and Ship Fever of Authors:
 —Whence these names;—Derivation of the word
 Typhus,—and reasons for adopting it.
- 219. Symptoms,—in the beginning occasionally like those of Nervous Fever (212); but the attack in general more sudden and violent, and the progress more rapid and alarming:—usually considerable chillness,—gradually ending in, acrid, and often burning dry heat with little remission;—great prostration of strength, general

anguish of body and depression of spirits; -- short and anxious breathing; -- nausea, and vomiting, sometimes bilious; -pulse quick, small, and occasionally hard; distressing headach, -noise in the ears, -and throbbing at the temples;—eyes sunk, dull, and listless, with dusky, sallow, dejected countenance; --- or ferrety, red, and rolling, with flushed countenance, and restlessness or fierce delirium;-tongue generally foul, often brown or black, with parched blackness of the lips, and fetid sordes about the teeth: -- sometimes considerable thirst, sometimes none. --Urine scanty;—at first little changed, but progressively becoming high-coloured, sometimes greenish, or sooty, and generally of a strong peculiar smell.—Stools dark coloured and offensive, and in the advanced stage often profuse and involuntary: -Occasionally hæmorrhage from the nose, intestines, &c. but oftener extravasations of blood from the cutaneous vessels, producing red, purple, or livid spots, weals, or marks like bruises, on the neck, breast, arms, and other parts; and by their colour and extent shewing the malignity and danger of the disease.

220. Great variety in the symptoms, in number, degree, and kind; arising from—constitution,—habit of body,—climate and season,—prevailing epidemic influence,—and the force and concurrence of the several predisposing and exciting causes.—Account of the chief varieties, as shown in the principal organs and functions affected,—and leading to important steps in the treatment.

221. PREDISPOSING CAUSES—not only those enumerated in par. 214, but many others,—some of them opposite in their nature;—plethora (32),—long continued heat;—excess in animal food and strong liquors;—foul air;—epidemic influence.

a kankish and bitter took in the kineth.

The low mullening Delinum, Flocoitatio, & univers. solitantes veces at the Caller perior of this Diskerse. I Diamhan allinds with swelling of the aldoner, it must considered and aspersus of unptous, and i have le Jubouttees Sudiner & sparing Membrieland hundle of with Bilions Syrasploins, and it is more fine allert and his beason in cold & Darch weather, also in the fire, This often accompanied with organic affections, parts. Lady of the Brease & abdorning livenes, the J. Bring la majoried that how heathering con help of your Polocies in Concern, but I'll Converted a Care Meno, if evidence and things to the Palies are overed, therefore it applicans that we have disordered from there of the Brain an arefron for me time without producing disorganity attion, the viscera. the ab onen are more generally affected & often the Patrick carnied off by heflam of the Partioneum, you much mel. Ly on his deregties your attention to it, as he will freque thy ast confliction unlife from pressure; very prequently the hour consession of the review of the systems of the bence forthe will require of the lines, which will be shown of here after. When it occurs in weakly Hubit, the Tyraften which first he place of herour Five. in those forms of herour Five. in those Constitutions, those that Second bear anestioned.

221. This twee is more prequent in cold and temperate Claimates, than in warm ones.

225. You will find that those Authors who here en floged bot end redrepent it as second time, but house Bliding many be enfloyed with advantage.

223. Bafue for unless ou companier with a pread define of Coma astupor Determinations of Brown & the Brown Thank of voice. o za anteromoth som. 224 the ham of the Head in Tophues is referred to the buck hart cat the coronal section, while in hilland fever this a treated at the Forehead, and this will afrist is in опи Вгаринай. 226. First. Hope. in Persons a weak some at Habit as their gried that I got affecting will cust given the Lever, an institute voile round ince produce the vaine offert, found there is hefter or and a still the Breeze the tester. Habes should be applied over it; They will be forced on head show fully owner times were cutting out the Court laint when we consent house recounte is as Influoren we prequete. quete bia have is in reshing which. Purgation, And ha But then in the beginning of the Conflaint, hereticalen after being as there is a der of ance differtion. Deaphoreti carly in the attention where there is considerable otient to The hutter m. Death mery to percer, on Las we shall have

- 222. The grand EXCITING CAUSE—accumulated kuman effluvia, or the morbific vapour arising from the bodies of persons confined in close apartments, especially if already labouring under the same complaint, or even under Remitting Fever.
- 223. Prognosis:—A gentle, universal, warm perspiration, with diminished frequency and increased fulness of pulse,—cleaner tongue,—scabby eruptions about the mouth,—and moderately loose stools, are favourable changes:—while partial clammy sweats,—weaker, and irregular, or tremulous pulse,—dry, black, and chopped lips and tongue,—tension of the abdomen,—involuntary urine and stools,—coma, or constant delirium,—plucking the bed-clothes,—laboured respiration, and difficulty of swallowing,—precede a fatal event.
- 224. General character of the disease,—as deduced from its prominent symptoms, and its chief exciting cause,—contrasted with that of Nervous Fever, and applied to the plan of cure.
- three indications already considered under the General Cure of Fever; but especially—in the First Stage—diminishing excessive action without lessening power;—and (where the strength will permit) trying to supersede the febrile by exciting another commotion:—in the Second Stage,—by increasing or restoring those functions and actions which are impaired or suspended,—so as to maintain the power of the system until the specific febrile impression has ceased;—and, as a principal means of effecting this, correcting the septic tendency that displays itself in the secreted fluids and circulating mass:—Throughout the whole progress of the case, paying attention to every urgent symptom, whether proper to the disease, or accidentally conjoined with it.

226. Remarks upon the several remedies more especially calculated to answer these intentions,—and the stages or circumstances of the disease, to which they are respectively adapted;—Early Emetic—particular laxatives;—Cold Affusion;—Leeches;—Blisters;—Diaphoretics;—Pediluvium, and tepid Bath or Affusion;—Wine;—Serpentaria,—Cinchona;—Acids;—Carbonic Acid Gas,—Fermenting liquors,—Yeast;—Opiates;—Camphor;—Phosphorus? &c.

OF INFLAMMATION IN GENERAL.

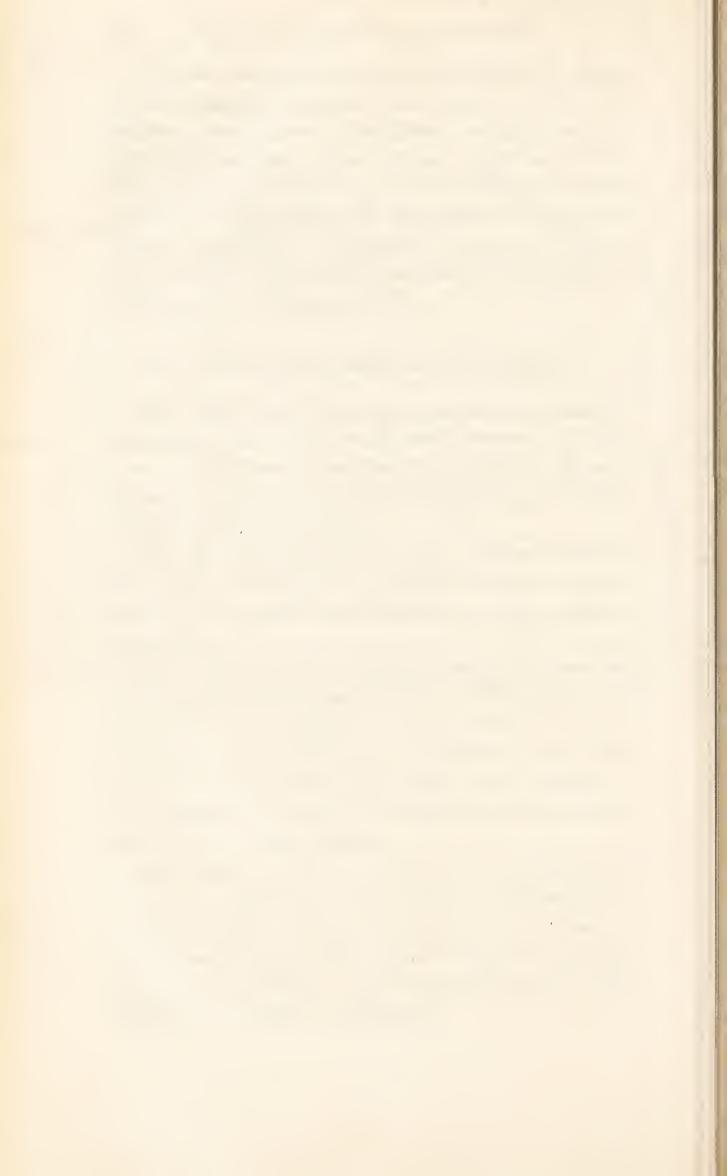
227. Though the rise, progress, and result of Inflammation are more obvious than those of any other diseased state, yet its nature in general, and its treatment in particular circumstances, by no means agreed upon.—The subject highly important.

228. Essential symptoms;—pain;—increased redness and heat,—with swelling or tension of the part:—these varying greatly, both in positive degree and in relative proportion.

229. Example of the progressive steps (228) shewn in Ophthalmia from external irritation.—Preternatural accumulation and distension evident.—Proofs of these taking place more especially in the *ultimate arteries* and veins,—from the number and course of the vessels,—from injecting the part.—Conclusion from hence as to the real seat of inflammation.

230. Similar phenomena (228,-9) occur spontaneously also.—Various theories adopted at different times to explain them:—unnecessary to discuss all these.—Boerhaave's (as it is usually called) first deserving notice: recapitulation of this (60); and its application to solve the phenomena, shewn to be inadequate.

timed to lies, therefore we should five the hig in mon been either in him Canada, a refus ter her 2 f. of this Tookt. Larbon of Comminia and small quantities of tome hours twee with advantage, after hear obliged to abundon 12. at the latter period, the hipers. Tores with Bil Juppile deid may be noin as the common Drink if the Broiles were and lay, or as to take a print or quant in 24 hours, when there is Diarrhora with Descharge offlood the Enfus Rosee with a Ino drefo of beindancin with teex tremely wreful. The Carb. Cario Las combined with otemalating her word will be a quet trul armedy, year is own etimes useful, for ticelarly where there is sichness. We namo the continue on the last of Sprates, as longes tron is a frequent ory inflower beg wile he aseful in correction Franchea; Port Min 1 Del. Las found it me gerate low believem when from in omale nautities. The Deautera amobal be otoffer all byether Athe Thering and begined with Remedies which detirmere The other, facticularly when they and and cortings atimo, Sub Treenel is agood form: Chalk com bind with small montities of Colonel has been found frequently & check Franken & any reftil bedding in the Bowles, Camplon for pains many begrown with dufentariade or thoughtours ; subbed down with thee Dis Xmade ento a Pile; due piones Attisperior will be useful adjuvants, more or thou Blisties ot y stanulate extract canoing a Dischaye.







- 231. General preliminary sketch of the Sanguiferous System:—Arteries chiefly composed of elastic and of muscular coats, which, though in a certain degree antagonists, yet co-operate in carrying on the circulation.—Relative proportion of these two coats alters as arteries diminish in size.—Reasons for believing, that the ultimate veins also possess a certain degree of muscular structure.—Future application of these data. (236.)
- 232. Universal property of living muscular fibre, to contract upon the application of various agents, collectively denominated stimuli.—Question,—whether susceptibility of muscular fibre to receive impressions from stimuli, be inherent or derived,—not necessary to the present subject;—but all susceptibility evidently dependant on nervous influence, and the latter opinion most probable in Man, and the more perfect animals.
- 233. Muscular fibres of arteries, in common with all others, are excited to contract by every agent, whether mechanical, chemical, or specific, that can be applied to them:—but THE BLOOD their peculiar and proper stimulus,—and its action threefold.
- 234. Generation or evolution of animal heat, the most splendid physiological discovery of the present age.—Short recapitulation of the theory (77-81); and the conclusion of its being a vital as well as chemical process, shewn to be additionally confirmed in Inflammation.
- 235. In healthy state, stimulus of blood and susceptibility of arteries exactly balanced.—First effect of over-stimulus on muscular fibre—excessive contraction;—second effect—proportional fatigue, and relaxation.—Application of this to the case of inflammation excited by external stimulus (229.)

- 236. Every inflammation a state of capillary congestion, greatest at central point, and gradually lessening as we recede from this.—Inflammation always begins in capillary vessels and smaller branches;—this accounted for from their structure, (231)—and shewn to be a wise provision.
- 237. More modern doctrines of Inflammation examined.—Theory of Dr. Cullen;—supposes the proximate cause of spontaneous inflammation to arise, from an unusual quantity of blood being Thrown upon the smaller vessels, exciting increased action in them, which is supported by Spasm on their extremities.*—Spasmodic constriction of arteries shewn to take place in certain states of inflammatory disease affecting the sanguiferous system at large:—this, however, not on the extreme arteries, but on the larger vessels and their branches!;—and not of uniform occurrence even on them.—Still less evidence of spasm on extreme arteries or veins when inflammation altogether local.—Conclusion against the doctrine in question.
- 238. Dr. Fowler's theory of inflammation—as consisting in increased action alone, †—more simple than Dr. Cullen's; and sufficiently explains both the phenomena and treatment of tonic inflammation,—but not applicable to the opposite kind.—Does not require a separate consideration;—as the establishing two forms or kinds of inflammation, necessarily supersedes this as a general doctrine.
- 239. Latest theory—making Inflammation consist entirely in a weakened and over-distended state of the capillary arteries,—referred to Dr. Lubbock and Mr. Allen

^{*} First Lines of the Practice of Physic, § CCVLV.

[†] Tentamen Inaug. Quædam de Inflammatione complectens. Auctore RICARDO FOWLER. Edin. 1793.









as its authors;—but published by Vacca in 1765, and subsequently maintained by Winterland Callisen.—Examination of it as delivered by Dr. Wilson.*

- 240. Takes for his example a state of advanced inflammation, in which the capillary arteries already considerably dilated, and of course muscularly weakened.—But debility and increased action not incompatible:—familiar illustration of this.—Action, however, not progressively increasing whilst inflammation continues;—often arrives at greatest height very soon, and afterwards declines more or less rapidly according to circumstances:—but no period of inflammation wherein action not present.
- 241. Dr. Wilson's trials on frog's foot with Alcohol, shewn to be inconclusive, from the torpid nature of the animal, and the sedative operation observed from this article in the experiments of Dr. Monro.—This virtually admitted by Dr. Wilson himself in the instance of the frog's heart.—The result of his experiment on the mesentery of a rabbit, equally inapplicable, from the degree of mechanical violence used, and the well known effects of contusion in various injuries.—His objections to Dr. Fowler's experiment on a rabbit's ear, examined, and proved to be futile.
- 242. Account of experiments made to determine this question.—First effect of strong stimulus, increased velocity of circulation;—second effect, great distension of vessels, and comparatively slow motion of blood in them;—but still rapid in the adjoining, and as yet undistended capillaries:—the same acknowledged by Dr. Wilson.—Application of this to the case of progressively extending

^{*} A Treatise on Febrile Diseases, by ALEX. PHILIPS WILSON, M. D. Vol. iii.

inflammation.—Proofs of the blood not being stagnant during inflammation, in warm blooded animals.

243. Falsity of the theory in question (239-41) finally demonstrated, by shewing the mischief to which it would lead in practice.

244. Short recapitulation of the several doctrines examined above (230-7-8-9), and general conclusion

respecting them.

and chiefly maintains the circulation through the capillary Arteries and Veins;—and arguments to shew, that although intimately connected with their muscular substance, it does not absolutely depend upon muscular motion.—Facts demonstrating,—That a muscle may have its contractile nisus, or effort, greatly augmented, and its power thereby impaired, without actual shortening of its fibres.—Application of these principles to the phenomena of Inflammation;—and attempt to explain them upon—A Change in the relative Neuri-Lectric or Galvanic State of the Extreme Vessels, and the Particles of Blood.

REMOTE CAUSES OF INFLAMMATION.

246. These various, and even opposite; but all either directly or indirectly produce increased action;—all therefore either directly or indirectly stimulant (232).— Abstract nature of stimulus obscure; but its operation shewn to be primarily and essentially upon the nerves, and, cateris paribus, proportioned to their number and sensibility in any part.

247. Universal effect of direct stimulus within certain limits—to increase the susceptibility or feeling of the stimulated part;—and this increase proportioned to the

Me Ming with the second of the





249. In only of a wears of restoring a part that is best one brostletten is by a firstle of timeters, which is best one by nutting the sunt with drown, by which It, without y will be into the reserved.

original sensibility, and the degree of stimulus applied:
—whence during it, even the natural and customary stimulus of the blood becomes morbidly great.—Prodigious increase of sensibility under inflammation, shewn in certain membranes:—and Haller's conclusion respecting the seat of pain in such cases, refuted.

248. Where direct stimulus applied in excess, the remote or exciting cause of inflammation obvious. But inflammation, both topical and general, often follows the application of Cold, and often arises spontaneously:

—how then account for these?

249. Apparent dilemma here; but the fact perfectly reconcileable with true Physiology and Pathology;—and both *Inflammation* and *Gangrene* from Cold, satisfactorily explained.—Illustration in the case of a naval officer.*

250. Spontaneous inflammation alledged by some to arise from irregular distribution of blood (237); this cause, however, both gratuitous and inadequate.—Inflammation of considerable organs during fever, generally attributed to particular weakness of them;—but weakness shewn to be a term of vague meaning, as accompanying states of the body very differently disposed with respect to inflammation.

251. Another explanation offered, and primary cause traced to change in Nervous Influence.—Application of this shewn to be universal.—Determination to particular parts or organs, however, no doubt aided by constitution,—prevailing epidemic influence,—peculiar Contagion;—and perhaps by other circumstances not easily accounted for.

^{*} See Observations on Apparent Death, &c. By James Curry, M. D. F. A. S., &c. 8vo.

DIVISION OF INFLAMMATION INTO TWO PRINCY-PAL KINDS, VIZ. THE TONIC AND ATONIC.

252. Preliminary observations on Power and Action in the living body (137); and farther illustrated on the

principles laid down in par. 245.

ample of Ophthalmia; where both kinds frequently take place during the progress of the same attack, only varying in their relative degree.—Atonic inflammation the result of repeated attacks of the more tonic kind; but inflammation often atonic from the first:—striking instance of the latter suddenly occurring in India and in Egypt; and occasionally observed in this country.

254. The difference of inflammation, as to kind, farther proved from the mode of cure found most appropriate to each.—Subdivision of atonic inflammation as attended with excess, or defect of sensibility.—General

conclusion.

EXPLANATION OF THE SYMPTOMS OF INFLAM-MATION.

well as in degree in different cases:—distinctions of it as acute or obtuse,—continued or remitting,—lancinating, pulsatory or throbbing,—tensive;—burning;—smarting.—Redness;—why always present.—Tension and Swelling;—under what circumstances each of these more especially occurs.—Heat;—its actual increase shewn to be little beyond natural temperature of internal parts;—sensation of it fallacious.

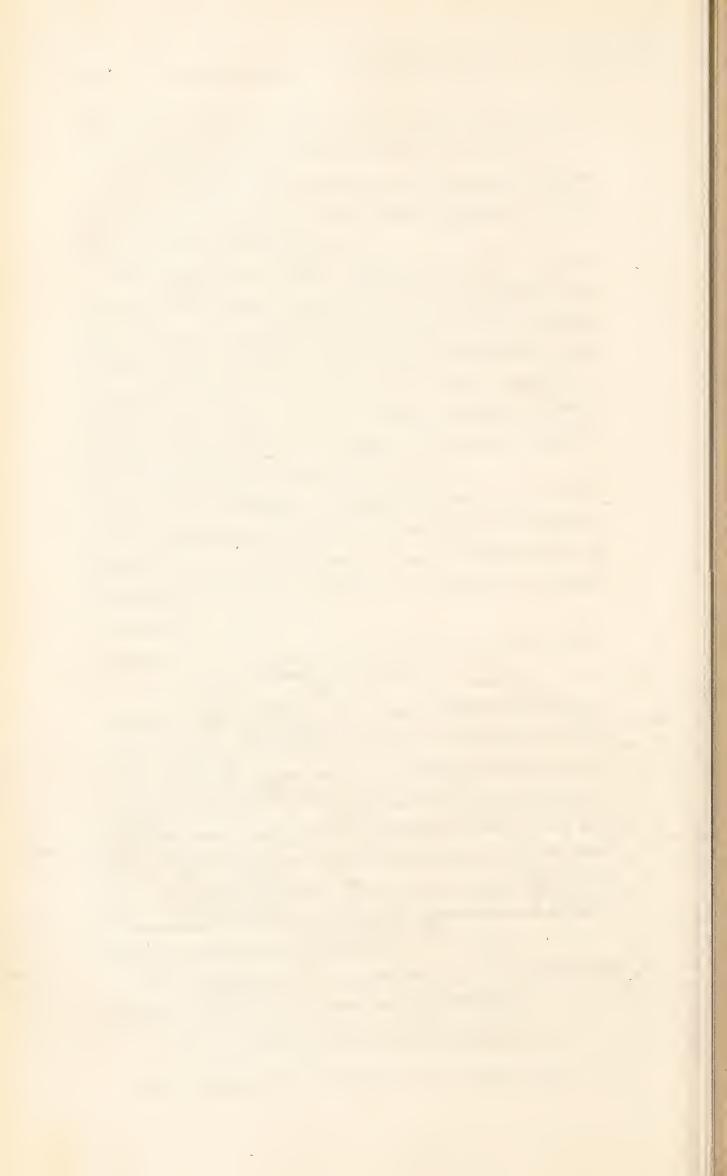
256. Difference in the proportion of these symptoms

respectively, in the two kinds of inflammation.

OF THE SPECIES OF INFLAMMATION.

257. Inflammation divided by Dr. Smyth, into five

The Some is suffered their successful tole the Patient over the Some of the Super of the Color of the Such as made and the Patient over the winds of lands the Patient over the winds of the Whole which is made and the Whole which is made and the Whole which the color of the whole the color of the whole the color of t



257. Lays felations hefteren femently torinemates a Resolution, but when it fractioned only attents the time but however this is name. with increased recretion, or etimes with that of her; but rever commonly with no heres. In home : keen branes it wou ally termination in Sufficiention, but omitimes with the formations of a new membrace, as in the Rangery in Chebrase. mation Aprimaley terminates in the officer of Jones as smetimes, the rande in Sufficiention, fruity hopen and hope with forthe and affect of bailty hatter.

250 he word specific Leftown ations it is premaly of the Estonic haired but their is with always the case as whenever the Chield new of the owner Family. 261 he pereal atterior ment be considered as a heal Suriancetion, but when it takes place in Buccons here die ul to, as this had weed by the effection of coopulati hymph which does not always become a parityed, and had notive of many unthe asait tyerthe toms. 3.62. Realescy, find their the Sheed officer Deffees how the nextical recretion, ometimes this watery, a one or earionally her is the own out, we interest find the fourthere is mixed with the fleet of the offers in the Pointment is mixed with the fleet of t Canala, when the Effective with with our dead the species, as occuring in parts differing in structure, viz. in the Skin-Erysipelatous;—in Cellular Membrane—Phlegmonous;—in Diaphanous Membranes;—in Mucous Membranes;—in Muscular Fibres—Rheumatic.*—But all these parts shewn to be liable to simple phlegmonous, or suppurative inflammation; and the above distinctions to be neither correct, nor practically useful.

258. Structure of parts rather occasions particular termination, than specific difference in nature or kind of inflammation.—The Species chiefly owing to the nature of the exciting cause,—as Variolous,—Syphilitic, &c.;—or to some peculiarity of constitution or habit,—as Gouty,—Scrophulous,—Cancerous,—Erysipelatous, &c.

OF THE TERMINATIONS OF INFLAMMATION.

- 259. The terminations of inflammation reducible to five heads, viz. Resolution,—Adhesion,—Effusion,—Suppuration, and Gangrene,—Scirrhus also reckoned by some among the number; but although sometimes a termination of inflammation in glandular parts, yet oftener precedes and causes it.
- 260. RESOLUTION.—Origin of the term among the chemical and mechanical physicians;—its meaning as now used.
- 261. Addresson;—in what circumstances it chiefly occurs;—Mr. Burns's criticism respecting it,—refuted.
- 262. Effusion;—almost peculiar to cavities lined with smooth diaphanous membranes;—variety of the matter effused in different situations and circumstances,

^{*} Medical Communications, vol. ii. Art. xix.

263. Suppuration;—occurs in every vascular part except the tendons.—Phenomena accompanying it; alteration in degree and kind of pain; -diminution of heat; -change of colour in the skin, when near the surface:-rigors, - these perhaps rather a collateral symptom, than direct consequences of suppurative change; -circumstances under which they especially

happen.

264. Enumeration of the principal opinions respecting Pus:-1. BOERHAAVE's-that it was made up of the various fluids effused into wounds, mixed with a portion of the solids dissolved and slightly putrid, and united into an uniform, white, thick, glutinous, and oily fluid.* -2. Grashuls'—that it consisted of various heterogenous particles both solids and fluids, but chiefly of the fat, mixed together, and undergoing an incipient putrefaction under stagnation and heat. +-3. SIR JOHN PRINGLE's—that it is formed by a fermentative process from the serum effused into ulcers, while the thinner parts are dissipated by the heat. ‡-4. DE HAEN's,that it is generated in the blood, from a peculiar matter formed there, not only under certain general states of disease that are not inflammatory, but in some persons even from a natural diathesis. §-5. DR. MORGAN'S, —that it is a new secretion, produced by a peculiar action of the vessels: |- this opinion commonly attributed to Mr. John Hunter as the original author.-6. MR. BURNS's,—that Pus is formed by an operation

^{*} BOERHAAVII, Aph. 206. 387. 832.

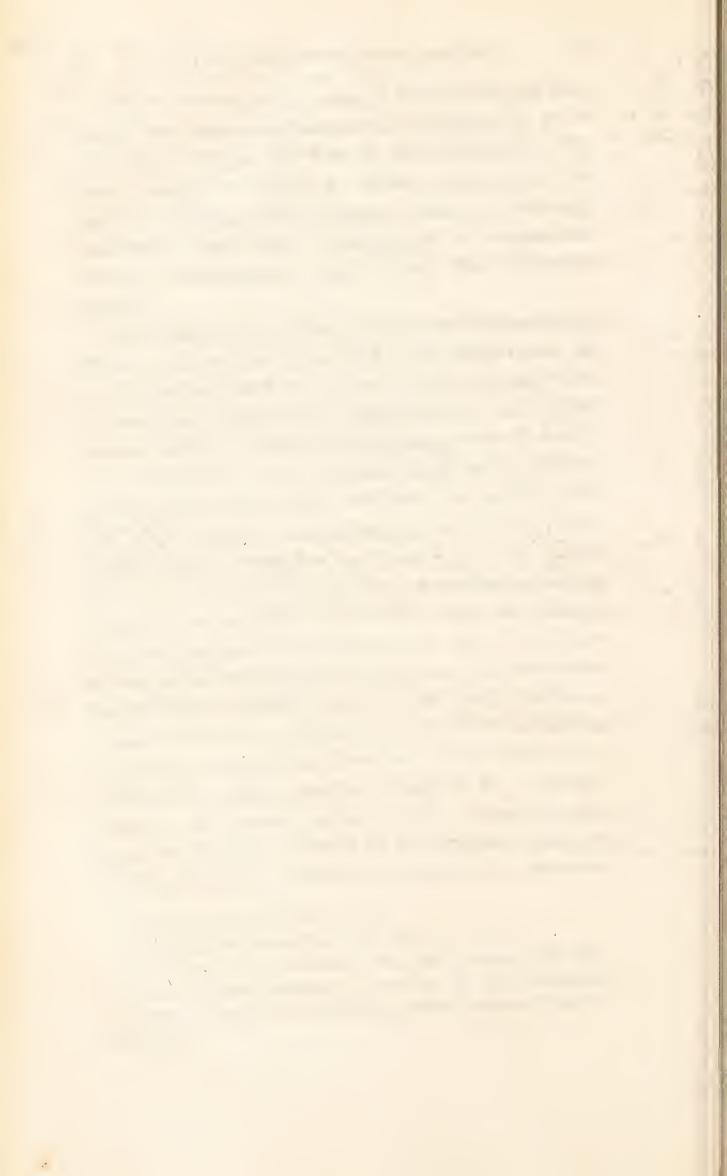
[†] Grashuis, De Generatione Puris, cap. 1. p. 18 et 22.

[†] PRINGLE's, Obs. on Dis. of the Army, App. p. lxxxi. ii. 6th edit.

[§] DE HAEN, Ratio Medendi, vol. i. cap. xi. De Puris Generatione.

H Tentam. Inaug. De Puris Confectione, Auctore JOHANNE MORGAN. Edin. 1763.

263. In bain which was before beent be comes dutes there of in , whis a there is with our die matte dopent Sundfaction of the head with a promune in the michte discoloriation of the Vinery y received, the Paise which we sho fore have a voluce, now becomes oft lui vlite ume van quaix. Rignis not aliveres. form in the heren we again tome without the was but it france ally accompanies action within a that the no Mobales would be unider with the Par also that it would be feetie, from the en but outin of the 2. Pur by no means most amone in those heart, and cir shirts there is flerity of adopose outotioner, and we find that where ever it is formed it, character eistic fushenters we the vane, 3. Farment ation we have a care the the of fluxering the Body, but hedoes will vary think it book su & bis 6 This is the love Home's opening & Thought and seems to reclude Howards It.



269 in farguere we find that there is diminished provided the love titution is circumsted action in the party we are corretiones able to hate to the told lysten thousand the opolin, but the ancemment previous the fair to ad sec is state of the Between ally and actions to the feel which is fell that the level actions the flustring to ad sec is state of the Between actions the flustring leading to the feel which is fell by befries the flustring over their are the first in the flustring to over their are the form over them, sometimes if i in emois were of the balus of the live to being officed. when it is not own at to any of these course of may fautually be so topped by land tours of Operation. When it occurs in Fighters Fiver it is promerably course by house, there he find it on the Loving thating the river commonly from a glieb of elecularity.

Tour times a using how replated the led and of the order of the order of the and of the order of the land of would this very titly to Firewards in these less.

be an fried that the newtrative has tiels differ one conding to the nature of the hart, but the is pinisher in all Parts. 265 hedoud-find Pas plotaden when it is first the our out, but peladicions, it it required sometime to moderce thescharge, full 15 Eccusti, when extend & the Coin their sets ared will He They Little not correct there of the the moderations. in tersphere Constitution we find Promissed with come matter, more franticularly in flands from particularly in flands from the second Municipalities applied Broy it is Flathy. In the Soubutes Fratheris we office the surface of the Where covered with Alond, and we sometimes find where their ares several Obserges on an organ that the Matter varies wearing this was the sease in a Latient in whom billoopen apened and als was in the have 26 4 When it ceause in a fearth wider one view in con · och weren of the octobran sessation of veolent hoflan. " we find a freak charge take place the part which was before and row becomes diord them is swilling the fiftiers. The grand the Public becomes weak soft and inequalen, there is freat harotration of there is a free with the ciss alwards a surface of hum Napronian of from the Police of the covered when the Police of the covered was a surface to the Police of the covered on the Contract of the covered on th Instructiones be comes natural when faignens is about to rake frace, ormsteiner fraguent Kinesuken, butin fin · sul weak and soft.

of the living principle, from the intersticial fluid, and the nutritive particles.*

- Home's arguments for Pus being a secretion †—examined;—and his position disproved from his own experiments.—Mr. Burns's idea (6 supra) shewn to be a gratuitous assumption, neither admitting of direct proof, nor countenanced by facts.—Remarks on the objections made to Sir John Pringle's theory,—and their irrelevancy pointed out.
- 266. Conclusion,—that Pus is not a secretion, but acquires its characteristic properties by a spontaneous change taking place, under the influence of heat, in a mixture of Serum, and of Lymph, or rather Albumen, in certain proportions, after quitting the vessels.—Variety of appearance which the effused fluid assumes, explained from the different proportion of its ingredients, and the circumstances under which it is poured out:—whey-like,—flakey,—curdly,—clotted or cohesive,—puriform,—purulent.
- 267. Gangrene and Sphacelus—defined,—and their relation to each other shewn:—may be either direct, or indirect;—distinction between these exemplified in senile mortification,—in gangrene during and after Typhus fever,—after Erysipelas,—after contusions,—lacerated wounds,—or violent Inflammation.—In what parts each kind respectively most frequent.—Signs of its taking place, accordingly as it is external or internal.
- 268. Scirrhus;—peculiar to glandular parts?—oftener precedes than follows inflammation;—and when

^{*} Dissertations on Inflammation, by John Burns, Surgeon, vol i. p. 404-5.

[†] A Dissertation on the Properties of Pus, by EVERARD HOME, F.R.S. 4to. Lond. 1788.

the latter, something peculiar in the species of inflammation, often connected with constitutional disposition (258).

GENERAL CURE OF INFLAMMATION.

269. This resolves itself into a single or a double indication, according to the kind (252-4) of inflammation

present.

270. Circumstances whereby to determine the general character or kind of the inflammation, collected from—the patient's age,—constitution,—and habit of body;—the origin,—progress,—and present state of the disease;—and the effects of the remedies (if any) already

employed.

Excessive vascular Action with considerable Power,—will consist in—ëmploying such means as directly tend to lessen the excessive action;—which is done by—A. removing, as far as it is practicable, those external causes, whether mechanical, chemical, or specific, that have been applied, and still continue to act;—B. lessening, to a certain degree, the stimulus arising from those agents that are natural, viz. the Blood, and Animal Heat,—by Bloodletting,—by Cold applications;—C. diminishing the morbid sensibility and irritability by sedative remedies, e. g. Preparations of lead,—Digitalis?—Opium? &c.—Remarks upon the extent to which several of these means (B and C) are to be carried,—with directions for their proper use.

272. In the Cure of Atonic Inflammation,—or Increased Action with inadequate Power,—beside employing the means specified above (270) and occasionally others which have a peculiar sedative operation

270. When hefland occurs in the early heriod of hefer It is generally of the Fruit kind, we find that it rapidly inescales Horizon timesateria Death if proper accus are at used to prevent it. In the middle period the charecter of the hefland is generally donie Nove find action & power many bakaners; while in age it is would of the atomic hind Kare companied with diminished Power. 271 he part, the trave initable and of importance to hipe we give ally find that heland rapidly inereases and rose aspress it. B. The quantity of Blood to be taken occurry of the properties of its repetition wires ld here on the Cyclin Constitution of the Poton the effect on the Pales, the affect and end of the Poton ? and the degree of france in this fam it is when there is he fame of orem internal of an it is doubtful how fore it will be rafe to have use our so to to by Stalis will be useful adjuvant to heep africand on the dynaftonis, but it will and he formed to leften hopeand the Squethous, want built will all the formed to letter historian of a good done of there is great Toutability the exhibition of a good done of there after blinding the will be ablended. I have faitly affect, furticularly the tablene Preferations, will fractly affect, furticularly the tablene the Provider, by fractions a copies discharge from the Provider, by fractions a copies discharge from although the Blood be covered with a before coat otile if A beaut cuffed, we are not to finish Defletion further on a line of others courses rendered ween any) for this is a Jeste ment be prior in the comment of the being being before the former with a comment of the south as being better the prior in the comment denich as being from the former.





79 Main Poplications as the Esect of time morne a Shot Wine also Aurial of Ren monea. as astringents were the head of head or fulphato of have Atte banks, you still jive there Henre is which neps food the thing the, as begitable thereis; sometimes this necessary to proce themelants of first, but we still be carlisus is doing but indle Hubry furnally of liged befrow vonice Hellimulants in Curbinch & layoff alas we can obliged to support the proconsof the constitution but in the latter their it requires contestion. dufied that reflect respected attentes of Cynande Frachen. In fune at the application of head to live interested with the imposition of head to find the fundament for appearing but in the active stage in a full Ration of a species for any limited in a full Ration of any and the last a full france of the formation of the stage in a full france of the formation of the fo (in the fourties) it many beautiful without any the effect 275. Strive le me ce fo any when duffave after takes place that the scentiment should other for dance of the teatifulls piste plan but when the tobosess is opened a busts, we men poer Hunedies to support the things to. are those Shirt support the frower of the Body as, the low But Buch, annual abhatio & acid, also the hunch of Baayles faporaged roundy to be Aline . The humato of tot is and with adocation and for application in the fore

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adapted to particular species of the disease,—the power of the vessels must be supported or increased, by the local or general use of astringent and tonic remedies.—The principles laid down in par. 136-7, and 159, illustrated here by cases both of local and general action, and applied to the treatment of atonic inflammation.—Variation necessary, according to the stage of the disease,—or to its being attended with increased or diminished sensibility, (254).

273. Both kinds of inflammation subject to considerable variety in degree;—and the one or the other character predominating, according to—the greater or less strength or power of the vessels to maintain themselves under a state of increased action,—the original or acquired sensibility of the part affected,—and, the nature and force of the exciting cause.—Difference of treatment arising out of these particulars.

274. The treatment of Specific Inflammations, such as the Gouty,—Erysipelatous, &c. as far as it differs from that of SIMPLE INFLAMMATION, will be considered under their respective heads.

TREATMENT OF SUPPURATION.

275. This, as far as respects local applications, comes under the province of Surgery; but internal remedies often necessary; and these are either such as increase the tone and vigour of the whole system, or correct specific morbid dispositions,—as the scrophulous,—syphilitic,—cancerous, &c.—Remarks on certain remedies employed for these purposes respectively.—Sea-Water bath, tepid or cold;—Cinchona;—Alcalies;—

74 TREATMENT OF GANGRENE AND SCIRRHUS.

Cicuta. — Mercury; — Nitric Acid; — Sarsaparilla. — Arsenic; — Carbonic Acid Gas, &c. Heel.

TREATMENT OF GANGRENE.

276. Will in part depend upon the causes inducing it,—and its being direct or indirect (267); but the general indications are,—1st. to support and increase the power of the vessels which yet retain the principle of life;—By moderate warmth,—nourishing food,—Wine,—Cinchona,—Carbonic Acid,—Camphor,—Opium,—Musk and Ammonia, &c.:—and—2d. to prevent or retard the septic dissolution of the sphacelated parts.—By Carrot, Turnip, or Parsnip poultice,—fermenting cataplasm,—Nitrous Acid lotion,—Oxygenated Nitrous Gas,— Camphor dissolved in Oil of Turpentine?—Varnish of Pitch or Wax in ditto.

TREATMENT OF SCIRRHUS.

277. Ambiguity of the term Scirrhus, as often applied to express specifically different kinds of morbid hardness in glandular parts.—Necessity of investigating the particular kind of induration therefore, in order to render the treatment successful, or even safe:—illustration of this in Cancerous,—Scrophulous,—and Syphilitic indurations.—Genuine scirrhus perhaps incurable in the advanced state; why so.—Remarks on certain remedies usually employed against Scirrhus:—Cicuta;—Belladonna;—Arsenic;—Muriate of Barytes;—Electricity;—Galvanic aura, &c. Mon. Commobine.—Onforce

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OF THE PHLEGMASIÆ,

OR INFLAMMATION OF PARTS, WITH GENERAL FEBRILE STATE.

278. Sometimes from the extent of the local inflammation,—from the great sensibility of the part affected, -or from its importance in the constitution, the whole Arterial System partakes of a corresponding state: - and therefore demands attention, as well on its own account, as on that of the part primarily affected,

279. At other times the general inflammatory affection arises from the same exciting causes which occasion the local one; and comes on along with, or even precedes it.—This more especially what constitutes the Phleg-MASIÆ; and its application of importance in directing the treatment.

280. GENERAL CHARACTER OF THE PHLEG-MASIÆ; - Disturbance of some internal function, with local pain, and symptomatic (?) Synocha (175); -blood buffy or sizy; -urine red; -tongue white; -heat sometimes considerable, but often moderate; -- pulse quickened, and generally hard; but sometimes full, at other times oppressed or obscure.

281. Variation in the symptoms accordingly as the disease partakes especially of the tonic or atonic form.

282. The seat of the pain generally directs to the part or organ particularly affected; -but this occasionally fallacious. Examples of both true and false reference by the patient; -and cautions necessary to guard the practitioner against mistake, in a point so important in regulating the plan of cure.

TREATMENT OF THE PHLEGMASIÆ IN GENERAL.

- 283. This will depend upon the distinctions already laid down with respect to the degree and kind (252, 6) of inflammatory state present,—upon the sensibility and importance of the organ chiefly affected;—and, upon the relative proportion between the local and the general affection, together with their respective priority of occurrence (278-9).—Illustration of these by examples.
- 281. TREATMENT WHERE THE INFLAMMATORY ACTION IS OF THE TONIC KIND:—
- A. Bloodletting, general and local;—circumstances determining its extent, as collected from the patient's strength,—age,—habit of body,—mode of life,—state of pulse,—urgency of symptoms;—but much less necessary than generally supposed, if other means duly employed.—Appearance of blood drawn, a doubtful indication:—danger of the Boerhaavian doctrine shown here.
 - B. BLISTERS; their use in this case explained.
- C. Application of Cold, doubts respecting it:—
 regulation of temperature.
- D. Purgatives,—different kinds required at different periods of the disease.
- E. Antimonial Diaphoretics—how to be regulated.
- F. CALOMEL and OPIUM combined:—idea of counter irritation refuted:—principles upon which their operation may be better explained,—illustrated by actual cases.
- G. DIGITALIS—to what stage of this form best suited. 255. TREATMENT WHEN POWER DEFECTIVE.—Causes particularly giving rise to this form;—marks for ascertaining its degree.—A. Cautions respecting

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28 y the Patrick conflecies that he has some Dust a sand withis Eye - the discharge of France produces a senting Abovering Luisation.

288 If forwardeal hadren be applied to the Tuncer admites, Adversard produce as world other formers as the Sonors with Discharge.

general bloodletting.—B. Local bleeding—C. Blisters—D. Purgatives,—what kind especially useful.—E. Mild diffusive diaphoretics: combinations affording these,—F. Calomel joined with Opium.—Operation of E. and F. separately and conjointly.—A plan more or less tonic necessary throughout, but especially towards the end. (272).

PARTICULAR PHLEGMASIÆ.

OF OPHTHALMIA, OR INFLAMMATION OF THE EYES.

286. Usually divided into two species; 1st. as situated in the membranes of the eye (Ophthalmia membranarum, Cul.)—2d. as situated on the margin of the eyelids (Ophthalmia tarsi, Cul. and Psoropthalmy of Mr. Ware.) The second species often a sequel of the first; but sometimes precedes and causes it. The division of Ophthalmia, however, according to the kind of inflammation (253), shewn to be more comprehensive and useful.

287. Symptoms of Tonic Ophthalmitis). Pricking or shooting pain in the fore part of the eye,—redness of the tunica adnata,—increased sensibility to light,—generally with discharge of tears:—occasionally sharp pains darting to the bottom of the eye, and through the head, with considerable pyrexia (Ophthalmitis).

288. Causes. Constitutional irritability of the eyes.

—Mechanical violence from blows, &c.—irritation from foreign bodies, inverted hairs, (Trichiasis) &c.—Cold, especially applied with partial current of air;—Intense Light;—particular state of the atmosphere during certain winds;—Peculiar Contagion (Egyptian Ophthalmy);

—Suppressed Gonorrhæa?—Remarks on these, and their respective operation explained.

- 289. CURE OF TONIC OPHTHALMY;—Exclusion of light:—Bloodletting,—various modes of it, with directions for their choice and extent:—Purging,—what carthartics especially useful:—Cold applications;—Digitalis?—Belladona?—Diet and regimen proper.
- 290. Symptoms of the Atonic Ophthalmy; —Turgescence and redness of the vessels, with comparatively little pain in general. (254):—This kind often combined with the second species (2d. 286), or ends in it.—When the inflammation is of the crystalline or Erysipelatous species, the cellular membrane of the eyelids and neighbouring parts, is also affected.
- 291. Description of the Purulent Eye of Young Children; and inquiry how far caused by, or connected with, Leucorrhœa in the mother.
- 292. The Predisposing and Exciting Causes of the Atonic Ophthalmy, besides those mentioned above (290), are—Scrophulous habit,—Small Pox;—Measles;—Dentition;—Exanthematic metastasis;—Tinea capitis;—Mercurial irritability;—Syphilitic taint?—Fatigue of eyes;—Smoke or other acrid vapours;—frequent Intoxication.
- Local bloodletting in different modes;—blisters.—Occasional purging with particular cathartics.—Opium.—Sudorifics—Emetics.—Various astringent and stimulant applications, consisting of preparations of Lead,—Alum,—Zinc,—Copper,—and Mercury;—Vinum Opii;—fomentations?—Ol Terebinthinæ, Riga Balsam;—Electricity;—Cicuta;—Cinchona;—Cold bathing—local and general.—Errhines.—Issues—Setons.—Remarks upon these, and upon some celebrated empirical applications.

289. O.S. and be had recourse too very largely in this Disease Abecamies to agreat extent, and Astronto he continued untile Amaker or me impression on the Disease, XI may be followed by Local bliding. for furthers taking it from the Temporal taking, it has been reconstructed to the form the bound lend it this form and to the hourse a for some hours with the hourse a for some hours with the form of the form o they will prove useful when by cause to the carried to Fitito high of the application of Leeches to the feigh followed by repeated done of Calonel, from to to guang. But, will be neshty be unfitable Cugations Rudaline Purjations old be pristy ive so des con fletily tourels is the Bounds, for lower to Surents. warm before on of Dyctalis as a Brundstin Belladour will be found to prevent the adhering which will The place from effersion of hegues h. Dig thatis may also be grown in ternally after bo. to lefter the certion of the Rulse 200. Tadueupa different appearance of the befold, sig. that of a hitrorich over the ly while in the action of the ly lid or his like a friend of row flish. The owelling of the ly le d hich of like the flace energy freedily be removed by a leach.

293. Colinie be found to aggravato it, but local Miding wile be necessary to releive the conjustion of the toefices, some prespection from the Egelids, harticularly when the longunction particles Mistels the Wallend over the death, Atternalalong Puyateves wite befulper, Jean & Fryd. Julou wills We the best for Ohibour. Their withe four of Dovers Poroder freezy be provenie Ohrome Ofthat, presided by 2.16. When we carred depleto an Emetio anery te poend over to unload the Storinger the throader its pureral effect auchas Thecaren: with the Force hun ties An brutanent containing and of Lever from I by he on - poring cent officed by theeft of heir , we to be a worful application, Hove went a more powerful artinga dolution Stelesand here well to best, Awell he oto currently with a few drops of the Cample: when there are openho on the Come a dive want a more prograful. notingent we any and afrancies of full half of ther, The king they literal lities is a good afflication , budding away had mosphed who the Eye, this? produces he was but afterwards affords considerable relief. a strong horizon of to baces produces the same effect and in our e Cases haffords more beneficial. Poppy formentations chere there is much few of intertility, the towner of BR. derebuilto in those theorie four which occurs in Jasph. Constitute also where it has been being let on by looking at smale objects: Cientis as an anodyperisele Dono will wee assimally fut a tot to it, is much recommended in buthal. Cold Bathing is a very former for Eye is the commencement. There's & tetory well adopted free freeze at freeze of the discerse, and in Scrept Cons. teting wildle production of great advantage when the Disease exists harticlarly if it assumes the amentant form:
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294. Occasional consequences of ophthalmy;—sudden or slow increase of the aqueous humour (Hydropthalmitis; Hydropthalmia;)—thickening of the coats, and turbidity of the humours (Hypopyon); -general or partial opacity of the cornea (Albugo vel Leucoma).-Nature and treatment of opacity.—Ulceration of the cornea.

295. Ophthalmy, especially of the atonic kind, occasionally assumes an intermitting or remitting type; Management necessary in that case, illustrated by

examples.

OF PHRENITIS,

OR INFLAMMATION OF THE BRAIN AND ITS MEMBRANES.

- 296. Origin of the name. CHARACTER of the disease,—Intense pain, and sense of fulness or stricture, within the head; -redness and turgescence of the eyes and face,—impatience of light and noise,—continued watchfulness, and fierce delirium, accompanied with violent pyrexia.—Difference of symptoms alledged to mark inflammation of the membranes (Phrenitis;-Meningitis?), or of the substance of the brain (Cephalitis, SAUV. et SAG.—Sphacelismus, LIN.)
- 297. Phrenitis not of frequent occurrence in this country as an Idiopathic disease; - but often symptomatic or secondary, -arising during the progress of general fever, -or from metastasis of Rheumatitis, Gout, Erysipelas? &c. and then partakes more of the atonic form.-Importance of attending to this.
- 298. PREDISPOSING AND EXCITING CAUSES— Original tendency, often marked by general tension and irritability of fibre, and passionate temper. Violent fits

of anger,—continued irritation of mind occasioning want of sleep:—concussion or other mechanical injury of brain;—intoxication;—phytoseptic miasmata;—exposure to intense atmospheric heat, especially under great exertion;—certain narcotic poisons:—epidemic influence,—contagion? hurcury.

299. Consequences of the disease,—and an account

of the various appearances observed on dissection.

300. Reasons for believing Phrenitis more intimately connected with a certain state of the Hepatic system, than at present supposed; and views of the nature and treatment of the disease founded on this,—illustrated

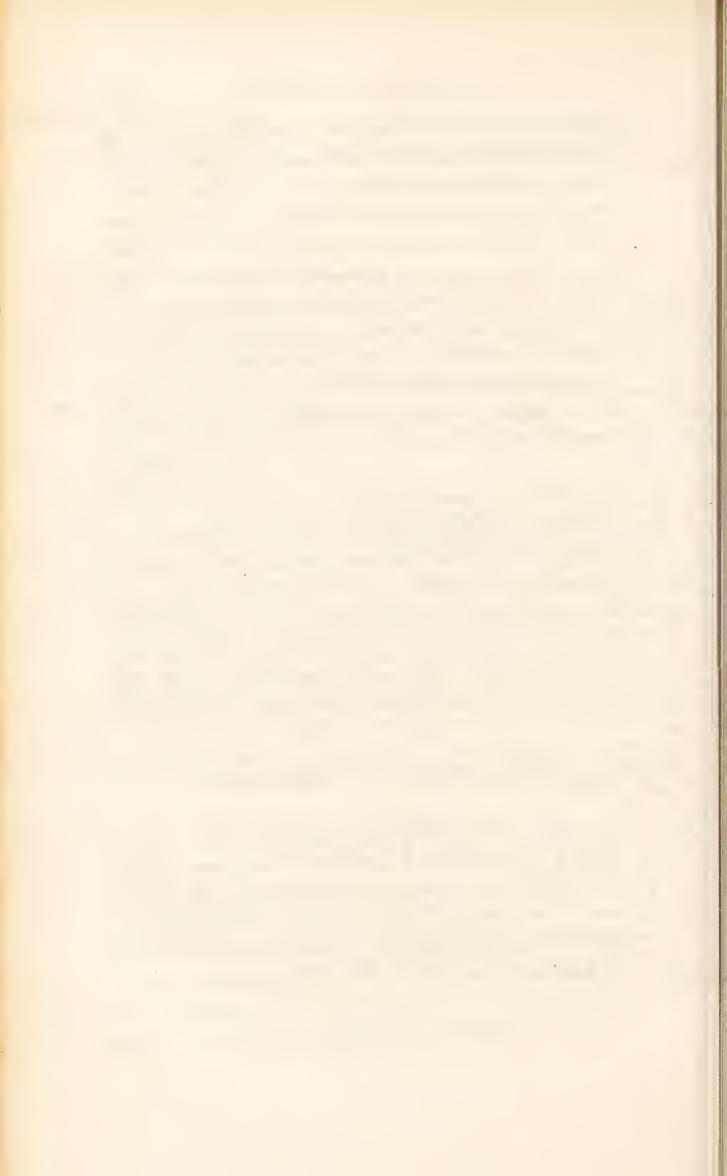
by cases.

301. TREATMENT: — Bloodletting general and topical; —Arteriotomy?—Cold applications to the head; —Blisters near the head:—nearly erect sitting posture; —abstraction of light and noise.—Drastic cholagogue Cathartics; —Digitalis; —Antimonials: — Sinapisms—Remarks on these several means, and on the extent to which they should respectively be carried, according to the degree of the disease, and its being primary or secondary.

OF QUINSEY IN GENERAL.

302. The Cynanche, Synanche, and Angina of authors:—origin and meaning of these terms;—include several inflammatory affections about the throat, differing considerably both in their seat and nature, and consequently in their treatment. Division of them according to these circumstances, into 1. Angina tonsillaris,—2. A. pharyngea,—3. A. trachealis,—4. A. parotidea,—and 5. A. maligna, or Scarlatina Anginosa.

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OF COMMON INFLAMMATORY QUINSEY.

303. Cynanche tonsillaris of Cullen; — Tonsillitis. — Definition. Inflammation affecting one or both tonsils, often extending to the velum palati, uvula, and parts adjacent;—marked by redness, swelling, and pain of these parts, -difficulty of swallowing, and occasionally of respiration; -sometimes without, oftener with pyrexia; -- and frequently ending in suppuration.

304. PREDISPOSING CAUSES.—Original constitu-

tional tendency; -Mercurial irritability.

305. EXCITING CAUSES—Cold applied to the neck and fauces, or to the body in general, especially if with partial current of air, and when the person is overheated: -epidemic influence.

306. Quinsey generally of the tonic form at first attack; but often of a mixed character, and in some persons always atonic.—Erysipelatous species:—this gene-

rally connected with typhoid pyrexia.

307. TREATMENT of quinsey different, accordingly as it partakes of the tonic or atonic form,—as this primary or secondary,—and as it is merely topical, or attended with pyrexia. Remedies;—Venesection,—puncturing, —leeches,—blisters,—purgatives:—Emetics,—diaphoretics; -acid gargles; -Nitre: -Astringent and mildly stimulant applications. Remarks upon these, and upon the particular form or circumstances of the disease, to which they are respectively adapted.—Most effectual means of guarding against future returns of the disorder.

308. Angina Pharyngea. or Esophagitis .-This of rare occurrence as a primary disease; being oftener an extension and variety of A. tonsillaris, than a distinct species of quinsey.—SYMPTOMS.—Scarcely any redness or swelling apparent on inspecting the fauces;—and little or no difficulty of breathing; whilst that of swallowing is extreme; -The general treatment, therefore, nearly the same as that of A. tonsillaris; but the situation of the complaint necessarily precludes some remedies applicable to A. tonsillaris, and requires others to be employed to a greater extent.

OF THE CROUP.

309. The Suffocatio stridula of Home;—the Angina polyposa of Michaelis;—and the Cynanche trachealis of Cullen .- Anglice Croup. - Origin of these names.

310. DEFINITION. An inflammation of the mucous membrane of the trachea and its ramifications, causing great difficulty of breathing, particularly of inspiration, which is accompanied with a peculiar noise; -- frequent dry cough, with harsh sound, as if passing through a brazen tube; -violent fever of the synocha kind (175).

311. The disease chiefly attacks between the period of weaning and of puberty,—usually runs its course in a few days,—and the patient generally dies suddenly as

if suffocated.

312. PREDISPOSING CAUSES.—Circumstances of constitution and habit of body marking those most liable to the complaint.

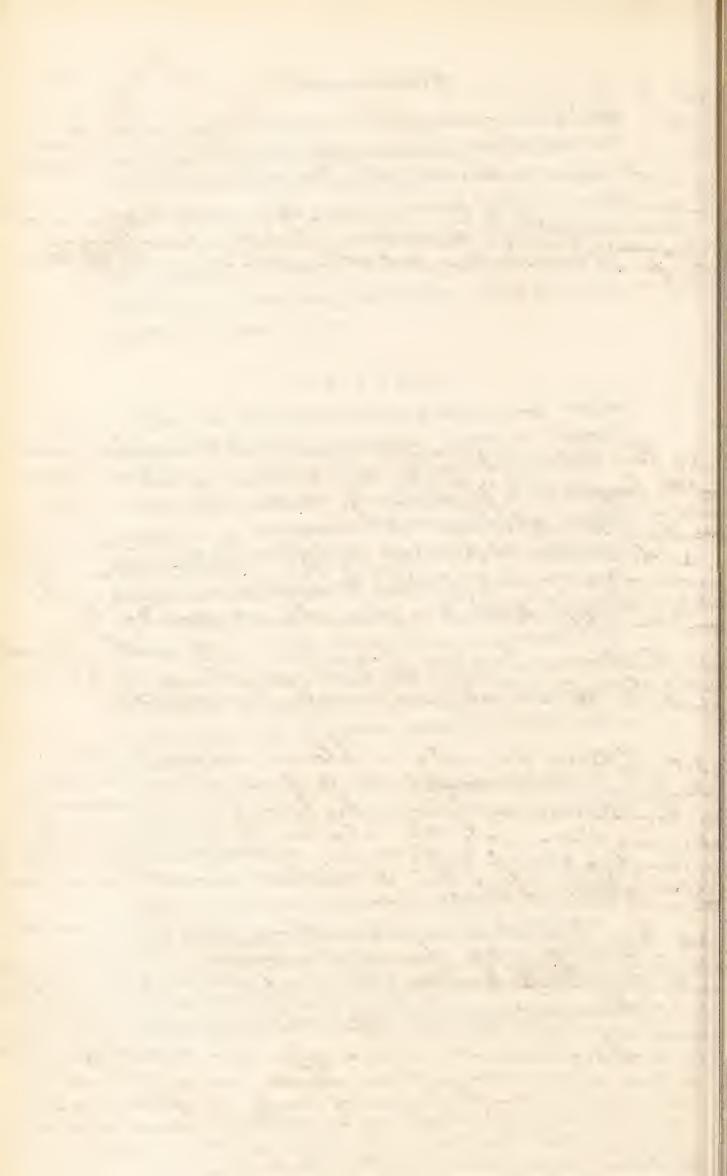
313. EXCITING CAUSES:—these not well ascertained; but the most obvious is exposure to a cold and

damp evening air, especially succeeding a hot day.

314. Appearances on dissection; and an explanation of the peculiar and urgent symptoms, as well as of the sudden and commonly fatal termination, drawn from thence.

300 to Pine sur to be onceres, at another recation and the pennal headrish to the Den hear of fellow heard much to have recovered to Emities, bud rifies and Progrations from the Patient, incapability of swallowing, therefore we amost only on by. A Progrations injecto to the Mission. actively. Ithe haryon and extends this the Frachewents the Poron-die and their namifications. In Children it is generally teated in the Affre hout flue of the Laryers.

As the Complaint her early the difficulty of the ather is a none ased a variate grantity of Paris expectorated se a fortion of humbrene is brought of the Palm becomes excited and thank the Patrick is generally ent off on Beatly. 311. This Disease has been observed so early as there hearth, but it sillow occurs before the period ofercaming. If it he will heart in the early stage to generally providental. 312 Children of a rivery complexación and vangunacous Souperament are the heable to it, sometimes it news in Families and in Children who have been we attened by herious Hisance, also those who lawbern we and early a been brought of by the Hand. But Children of a weak labit, light hair, fair when the scroppholous constitution are 314. From Difrection, an adventition branches has been found living the of the hand to the Bracker sometimes when the Branches of the Browshi but the him have always complete, sometimes parts ches of evapulable hyperphase friend on it, at others a portion. a Pice of membrace shown that was conflict by a could who were the labies of Croup he afterwards died on inspecting his Body more of this membrane was indefined after membrane was ishe lived proto were observed when lived membrane was the lived aposts were observed



310. The essential character of this Disease is an active I flame of the membrane lining the tracker, attended with a peculiar impirpuouse in the Corph and Fever of the luflarus Type. In the first outland we and blied according to the age of. thethird . if an hefand about Bi when never advenced, av sorb thems of, Bis areny he taken. he wher will be francheringle Cares. Sunties are extremely uneful, Sheril has fire. vailed as an Epidemie it has been fenerally problem recovere to, delen his nest very create with presently cut should the synfetones, De Cas found the combination and the held of for 2013 hours. in the occord stage they and the latter stage, the harm Bath will effectively with the Emitie de ifemployed so as to produce danities. Suspining the Hear of Hot hater wile hequently affindheles. also the vapour of cetties when the Disease is operation in the Island in the latter stage but the Deevel Senether, It tolly fureful in the latter stage but the Does at their it arrantage out or account of it, stimulating parpeties, he her arever tried it month in the Patient und in contably seint form sufficient in the Patient und incertably seint from sufformation, it many be hard. recoursetts bell it more generally happens that the Diseus how occurred where it was attended with oncein, therefore I has not introded. Ales from the frequence been - antinumals the Dugues or no to produce technological they will al the same time and on the Donallo. In this 2 Deaps Caloune joined with Depiter opening with y graful 320. Squeltours of brough some hours appeared to the contractions of brought south some labours. in muder belowations of the Languey. Some times however Thoraces in the could from in adult, I'd had a brain under his come who had been discharged a few dungs before. thru Doys after his second admission

318. The best Diafhoretie, is the combination offalound, of win, -

315 The lough is not attended with that house in Catavis that this in Group, where is no have produced on the private of accurs with head to when they are exidence X a frame the malignant form.

316. It soes with affects to be copable of propagation by fortage 316. The heen han unger noise has been attributed by some Physicians to shasin, but Del. theirs Nowing to the viocues of the adventitions trembrane; some lines A occursin Persons and affected with this Diseuse, it may weise from dayness of the Fraches and it many Tr. C. thinks that I does sometimes prevail as an Shidemie; he also be leives to may verer a seem of time, Fisheyne alates Cases of its appearing several times in The same Child and cach time with life violence.

Quad. 85. Some, beginger the charmodic form it is restore

3/7 When It appeares the charmodic form it is restore

I requerous as the Inflant, it comes in in parayessus, whi trous is of the remitting type. you will find that in Children Neo have had learly that it will that it will that it will where the form of frown. Big Chilou one very teable is alterday this some of the sofficely, theornes of the Cough resembling the inviting of their towasta syrupe , our the vyen process unite!

a fortugalt to be tuested extituen Fevers, alove how heath

Calound.

- 315. DIAGNOSIS.—Symptoms distinguishing Croup from the tracheal inflammation of Catarrh and Measles.
- 316. History of the rise and progress of the disease as collected from authors:—whether more frequent now than formerly;—whether occasionally epidemic, or ever contagious.—Whether it attacks a second time.
- 317. Whether sometimes spasmodic rather than inflammatory; and reasons for believing, that the former appearance is owing to the fever which attends, being of the remitting instead of the continued kind.
- 318. Essential and peculiar character of the complaint as deduced from a consideration of the several circumstances noticed above: Mode of Treatment founded on this, and supported by experience.—Remarks on the particular remedies; Venesection,—leeches;—Emetics;—blistering;—Cathartics;—nauseating expectorants;—Digitalis?—Calomel and Opium;—diaphoretics;—tepid bath—inspiring the steam of hot water.—Decoct. Senekæ?—Proposal of Bronchotomy considered.
- 319. Variation of treatment proper where the disease assumes the *remitting* form. (317.)
- 320. Account of a disease termed by some Chronic Croup, which takes place in adults, but which appears more nearly allied to Catarrhal Phthisis. See Phthisis.

OF THE ANGINA PAROTIDÆA.

- 321. In England called the Mumps, in Scotland the Branks:—origin of these terms respectively.
- 322. CHARACTER,—A specific disease, occurring but once during life,—affecting the parotid and submaxillary

glands with considerable swelling, accompanied by pyrexia of the synocha kind (175-6), generally slight;—often showing a metastasis to the female mammæ, or male testes, and occasionally to the brain.

323. Though commonly so slight a complaint as to require but little medical attention, is sometimes violent both in its local and general symptoms.—Management of

these proper with respect to its specific nature.

324. Distressing consequences occasionally from its metastasis in men, and inquiry whether this admits of prevention.

For Angina maligna see Scarlatina anginosa.

OF PNEUMONIA,

OR ACUTE INFLAMMATION OF THE LUNGS, AND THEIR INVESTING MEMBRANE.

325. GENERAL CHARACTER; pain rather suddenly attacking some part of the thorax internally, and increasing;—preceded, accompanied, or soon followed, by pyrexia, and attended by painful inspiration,—generally with cough.

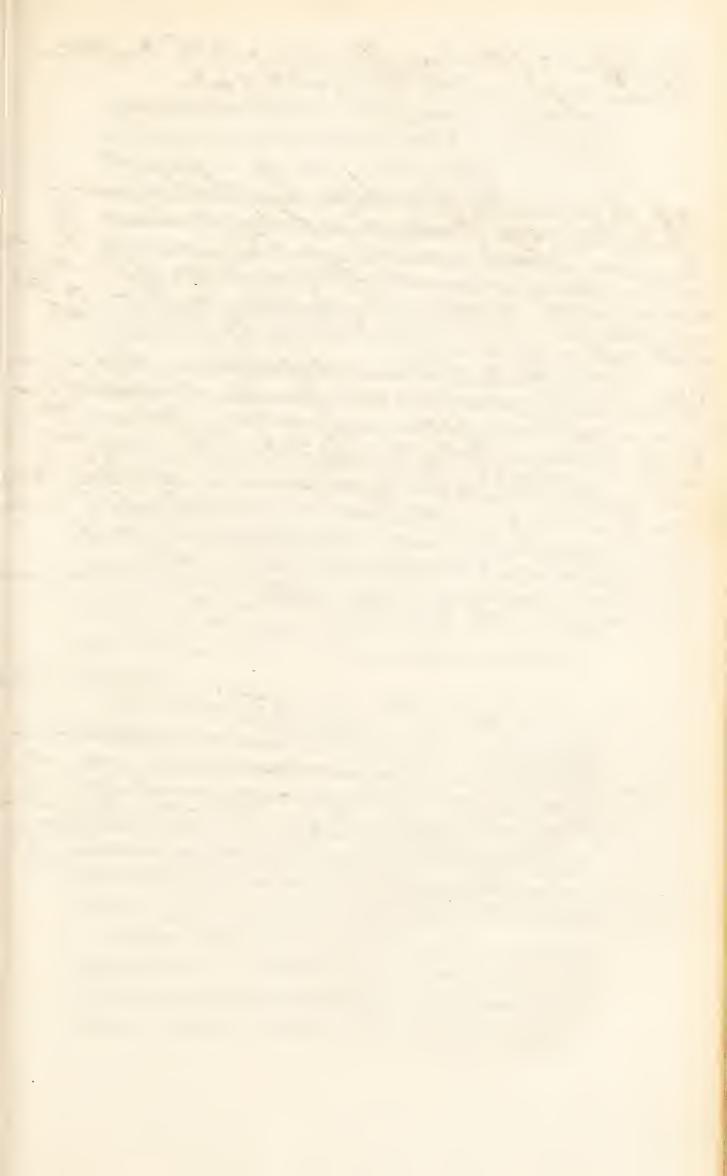
326. State of the tongue, urine, &c. commonly pre-

sent, and serving additionally to mark the disease.

327. Variation of symptoms, accordingly as the inflammation affects more especially—(a) the reflected pleura,—or (b) the substance of the lungs and their proper covering,—shown in—the hardness or softness of the pulse,—the kind of pain,—the state of the respiration,—the patient's aspect,—and the effect of posture;—the cough being dry, or with expectoration;—Names in use designative of this difference of situation—(a) Pleuritis and Pleuro-peripneumonia,—(b) Pneumonia and Pe-

thew outside, sometimes however it falls on the Branch and Armed be heated and Primitie Attach is after From that is with the atom plan. 323. In this Case in flethour habit, take away Blood. apply heather, aler forment it Par there, & give Draphenties 324. Men It fulls on the Lestielo, sometimes it is acces. sary to apply header Portiers de theep it suspended. Bisto be liesewed by keeping still in the horizontel hostere 326. he Plunitis the Jorgen will becovered with a whole much but in Presence with a gellow counting, in the latter the Pulse is hard tobscure but in the former strong, fule the I it be accompanied with Spidemie Pever oft dweak. The wine in River with the scarte thing he storied, but is mentioned the break. in the latter the break. with be placed than a atward, or metering the sheet is soft to the water is soft to the water is soft the water is soft the survey the breaking is already the Brookles in the Brookles with the breaking is the Brookles with the brookless wi 2 re hard Palmand freak fram a inspiration. "Outer full Vobstracted, occarely any frame a conspiration had all done othering our action, the counterance having Here appearance from the obstruction of the variable of Blood . Pleur: there is a Nany intimufition to the propraye of Blood traffer the counter are with heard of like that fraverile increise, the Paterist coursel lie on the order affected. In Parent a cough is fristing, but over followed by expectoration -DE Charmonounty forcis the deflater confined to the stance Than to the Pleitia.

Anguia Laryugues, or Larryugulis. in infrequent Disease, occurs most commonly in those who have been subject to other anginese diffection. Symptoms Highardness of the velum Lalatis & wula, followed by Inflam reson bling Saysifielas of the Glottes; & Spiglottis, accompanied with considerable morlings. the Rina flotted is over the state is some of it for into the toughe is thechand and onollen, meany our ation. in the Largue , thinkness in soice, diftertition out at frist inhed id, respiration difficult and laborious from the beginning, viver ognochal. Sopredictive Shirt fatal in one extensive Discare was found in the kings similar to that produced by Premion in the stensive Discare of the Liver. Transach this consists in early and active to fleting.



Beg helland of the horis often extends to the Braftian) hoodness Infland of the hongs on that give. 228 - In generally fried that when the longs are affected from Sympathey that the longhaders in by Pourageaus, of there is nothing but ropy minus lives sight supportion danier.

329 When in the De her his and that the pain is fell under the Stormer, and istuding to the Branchi, and thout there is not so and pain felt wins peration. Whenen the Brich his said. The A you will have Deliveren best.

By las never met with it falths he has a amind many who have been from the from the third with the third and the best of the third to occur. between the age of puborty otherwiddle heriod of hip. Mile Poup esther generally attribes of heaple. Mis mion common in Centure to france de Compand in temperal 331 Him theaster provace asan & produce they are after combined with Premacoure Symphotoms. remained with manager of with estames, great franchion of strengths such countermance, exception fair from the countermance, exceptive frame, I trouble of strength, halse seems full, but so sely enables from the coolers frame for the colors frame of the colors of the strength o I five Complion Command of themely to this form, I get Para songs be lesso with form It the Bout wiens and the grant of the street of the other of the street of the street of the same thing, putte her alives on flys tris shed be with the same thing.

ripneumonia.—These however, in general combined with each other, in various degrees; and frequently with inflammation of the liver,—which, unless taken into account, gives rise not only to considerable embarrassment in the diagnosis, and indications of cure,—but to imperfect success or complete failure in the result.

328. Curious fact respecting the sympathy of contiguity in pneumonic inflammation; and application of it to

explain the utility of certain remedies.

329. Particular symptoms alledged to arise from the inflammation when seated in the mediastinum (Mediastina, Vogel,)—or the diaphragm (Paraphrenitis auctorum.)—Doubts respecting some of these, founded on dissections.—Occasional change in the seat of the pain, and probably also in the inflammation.

330. PREDISPOSING CAUSES; a constitutional tendency to the complaint, especially marked by plethora, with a tense and irritable system of blood vessels, particularly of the lungs.—Certain period of life.—Male sex?—Former attacks of the same disease.—Season of the year.

331. Exciting Causes; sudden or long continued refrigeration, especially if aided by moisture, and operating on the body when overheated or fatigued;—the imprudent use of spirituous liquors immediately after this (Pleuritis vel Pneumonia vera);—particular quality of atmosphere sometimes epidemic; (Febres pleuriticæ)—peculiar quality of certain febrile contagions (Pn. catarrhalis,—morbillosa,—typhoidea,&c.)—metastasis'of acute Rheumatism,—of Gout,—Erysipelas? &c. (P. rheumatica, arthritica, erysipelatosa? &c.)—inflammatory, sub-inflammatory, or bilious, remitting, and intermitting fevers (Synocha pleuritica;—Pleuritis biliosa,—Pl. remittens);—irritation

from worms in the stomach (Pleuritis vel Pleurodyne verminosa).

332. DIAGNOSIS.—Marks whereby to distinguish Pneumonia from spasmodic and other painful affections of the chest.—Discrimination of the disease into simple or complicated, -- and into idiopathic and primary, or -symptomatic and secondary,—as drawn from the predisposing and exciting causes,—the mode of attack and progress of the disease,—the symptoms present.

333. Importance of determining in what degree the disease partakes of the tonic or atonic form, as greatly influencing the treatment (Pneumonia vera et notha): -circumstances necessary to do this, drawn from the patient's age,—sex,—previous health, and habit of body,

-strength, -assignable causes, (330-1), &c.

334. Different modes in which pneumonic inflammation terminates in health, death, or another disease:-Resolution, - Expectoration, - Adhesion; - Extravasation of blood into the intersticial substance of the lungs, -or profuse effusion of glairy fluid into the air cells and bronchia; -- Vomica; -- Empyema; -- Tubercles; -thickening and ossification of the inflamed membranes and vessels; -Hydrothorax. -Signs of these respectively, as collected from observation and dissection, and illustrated by morbid preparations.

335. TREATMENT OF PNEUMONIC INFLAMMA-TION IN GENERAL, admits of considerable variety, according to its being-simple or complicated, -original, or secondary,—to the particular seat of the inflammation, and, still more, its degree and kind.—The chief indica-

tions are-

1. In the beginning of the disease, to check the inflammation in its acute state, and while still ad-

332. If the Pater of our over y Days Awill in Juneal terminate forourably, of the lighton to all increase. 333. Freum: nothangemerally attacks Patients of an a draiced age, Athornho have been souly ich to Prace nonice he fland also thou who have lived intercherates stuly bound -334. When the segne flower are yeld in the expection two at first the a pertocation is nuceous after friends, and it draws towards a conclusion, thinks and white. We often find that the lengs are constitutely adhered the P. C. Sufgenea. The Patient complains of chilliness, and is The world is by which is brought of the offer the folder is the world of longing in the offer the Poles is the world of longing in the office of forther order is the world of longing in the office of portion, the Poles is soften quick & is also gas enally excompanied. with anasarce of the Jace of the gunities, the Patient has Just Difficulty in changing his porture, and prequently awarded how sliep fugitared wider the Brea that he is sufficienting -

Some of the facility find that there is more than the above of the plant of the Patient grandles is coursed off by it. I will be the Pajors which come on all the lain of the and when the above to trusts a large grandity of matter is hours find hornour that there is a considerable quantity of matter in the language of the Charles, without there him, an about in the language country of the There is a further him on a labour the man should be let out by hunctione, or maticular it bursts in the air cells and is hought up by earph

335. I hechef une by weare to defind on is bet. we are to be juided by the relect the Patient experiences while the Blood is flowing from the veins, when It or comes a. The atoner form we never be more constant in this use of the homest; Cuffing Shere he o wreful a dyowent, in active stage, in young dalgiet, hecher one husterable to affect the prefer hother weament frime hale, rely on their Blistens should be applied immediately after coffing their action hupland. The Borriles old be freely acted on aither acto stage day saline Penges. With with be well with the will will be uniful in the course on Brenty [3; - Chi]. The relaxing as small doors of Jartan autimory thought hours hours Dr. C. has foregas a few owners of blood by Eath my followed by Blistian beneficial. 2. Small voies of Squiles with hee aux: Cut. Tricas. he Perif ho the, benefic with lig a h, so bungar of Iquills with Thecar so as to produce successation Effect. In the active form when bot evil and he had accourse to Del has found the combination of balow: autiniony Atherin useful, also in P. sotte, but it effectament be watched, in the beginning fulto unities will be everful. by unlocking the Browelial system, (Seciles a Cention:) In Brief. Cother, brook trustera may be fever, also an. · auseica ceres with devills. 3. he Person listher it is oflew mecesseary in the beginnings allow the Patent a light untilive Bret, sometimes to allow by sporon we prove trules a amornine. To being off the local of herens from the Browchell system when there is a dashreeas to coverey in the Chest Agitalis a Paloral Sent bolowle, buy who a les an ilen anery be pour es Tours, and Calonel Adquills as advisation, It will often be acceptacy to change the Climato to restore the Particul to Health. Dearhan is often occurring during the course of these cought butheit thathis the best received countries he Forms Persons where there is a tending & Hand when entery enverts, outotatutions and her tificial is charge with the frespor-

335.1. The heland attents the humbran and man the lengto, we often find the Softions Poles ding with cut of the complaint, but in both case it is Home times happen of from the conjection of Bolo. the by onceaned at first fet Blood from the area, but by abstracting once locally the Pulse with rise and you will then have the Polos flow on feming a vein in the one Blisters on the arm to be applied entito hills has been had recorded to another metilowe think the Sympton It has been observed that when the Hidneys can be asked on that the hefland will be more releived there by a simile been action on the he he he had will be more releived there by a simile been action on a constitution of the head of the head of the second them by a simile been action on a constitution of the second of the La shale and the wield fraght with Squills the more splicable to Vinit yether as it occurs in its recort com: mon form. When there is any difficulty in bringing of the dalow, inhaling the steam of the water with a fact the he Siderle l'en son de cuiles with semmenicae; de Comphi buistion, orwitte asher & conversarios will be feelfre? When the Enflance in the Chest her valoided the Warren bruies wile be advairtageous as hefulas eur. It has give Awath danillo & Centruomio. 33 n Dr. B. has not found syncope to often attend this strange at the commencement as cutting

Stream at anthoris the commencement as cuther;

have mentioned his to be on either orde non his

one the land is always dry, and he can drawin a

back. The long his always dry, and he can drawin a

back the land is always dry, and he can drawin a

hair, the lay first int estuff airing of any fearticular

hair, but lay first ing on the haft of do fairs will

be produced to their is friendly some irrepularing

of the Bulse.

230 When I occurs to told middly his commenty produced

in the prestructure to told middly his known time.

In the prestructure we be find tames where frain

leaves the extremities it will be hereoforned to

Mend front Donnies

mitting of a perfect resolution,—By Venesection,—cupping,—leeches,—blisters;—cathartics;—moderately cool air;—Nitre;—Digitalis;—Infus. Rosæ.

- 2. In the more advanced stage, to favour the expectoration or other evacuation that may take place, and that is found to give relief,—By Mild diaphoretics, tepid diluents;—Opiates alone, or combined with Calomel and Antimonials;—Inhaler;—gentle Emetics, Squills,—Seneka,—Ammoniacum,—Ammonia.—Bitter Tonics, and moderate stimulants:—And
- 3. To support the strength under these,—to allay urgent symptoms,—and to guard against those bad consequences, to which there appears any evident tendency.

 —By light nutritive food,—moderate tonics,—diuretics,—seton, &c.
- 336. Remarks upon the propriety and extent of these remedies individually, as determined by a consideration of the various circumstances already noticed.

OF CARDITIS, AND PERICARDITIS; OR ACUTE INFLAMMATION OF THE HEART AND ITS MEMBRANES.

- 337. CHARACTER: Along with several of the symptoms belonging to Pneumonia, there is great faintness, anxiety, and oppressive pain referred to the region of the heart, accompanied with extremely frequent, small, and often irregular pulse, together with violent palpitation, and even syncope, on motion.
- 338. Acute Carditis of more frequent occurrence than was generally believed; but perhaps oftener a metastatic or misplaced form of Rheumatitis, than a primary disease allied to Pleuritis and Pneumonia.—Instances of the disease illustrated by preparations.

- 339. Consequences of Carditis; inflammatory exudation, with effusion of serous fluid into the pericardium,—or adhesion of the pericardium to the heart;—ossifications of the heart and its appendages.
- 340. The Treatment of Carditis should consist of the same means used in the more acute forms of pneumonic inflammation; and these employed with a promptitude, and to an extent, proportioned to the more rapid progress and greater danger of this disease.

OF HEPATITIS, OR INFLAMMATION OF THE LIVER.

- 341. General Character.—Violent and tensive, or dull and heavy pain in the right hypochondre, increased on pressure, inspiration, or particular posture; sympathetic pain referred to some remote point of the thorax;—dyspnœa, with sense of stricture or oppression about the præcordia;—sometimes cough, generally dry, and often by paroxysms;—occasionally vomitting, hiccup, and sallow or icteritious countenance:—primary or symptomatic pyrexia.
- 342. Division into two species—the acute (H. membranacea)—and the chronic (H. parenchymatica, vel Hepatalgia apostematosa), or into the tonic and atonic forms;—these widely different in their respective extremes; but, as being variously blended, best treated of under one general head.—Circumstances under which more especially one or other form takes place:—symptoms distinguishing them, and others serving to denote the particular seat of the inflammation.
- 343. Progress of the disease according to its degree and kind:—Terminations,—in resolution,—in adhesion,—in suppuration, and abscess opening externally,

339 When the Read adheres to its huntrare it is surrely accompanied, on produces Enlargement. 340. In the enmen ceresed we may bleed nothing largely, does be gun ill one time if a large swan tity be taken it will produce byene oft, then for on by a few owners should be Desires at one live? a prajectival Blister over the Heart will be proper, I Di Thalis ambiend with Culouel Blagion when this cie confanied with Efferson; when the farmentensus after the certific health it is often necessary to give on Greate. There will the Patient perfectly about for a considerable terms with often tous to when the bad anong neces. Observations by March thing. Budas, & Breacon Head He have with be sicreased by in humation, the Patril will is inflamed before lay on the ride offected, then are of the said affects side of the Paris of the said affects side . The Pain will be referred to the Top of the Strouben. when the left on afterns the concare o cufure of the here it is accompanied with bounties. 312 When Reputitis occurs in Host Climates this gave. rally of the acut four of the Particul is carried off by however we have the chesningsom of the Discours. her do and find the certire our thous come on untile the topland attentes the mentrenes like this als tune of the Liver is influence it is accompanied with In the Showing form the Lymptoning resemble more those of Byshepsia, whilven the accesso, the buflow is presently so active that the Discuse terminates in Leath in 3 nt Days if red checked in hot flowertes -I the live the Borreles with be entitled diranged.

339 The A quickly tirementer fatally it is que tilly in Efficience into the Price and wich sometimes in the south After Periecudium. further awailated, who recovare after two years. by being kift on a double incline plane verificed to a with the open air. 340. J. bol. does ast releion at this commencement we must restricted to copeously afterwards, although stile find the Patent complaining of considerable flug in the Heart of he should feel afterwards much have in the region of the Heart the application of luffing blushes will be preferable & O.S. 341. The yearthour wile recentle those of inflam "of the lover to be of the right long when buch and inflam? Much alm be wingh. With with beday Neone on in hurayours - Paris withe left Hypocheridanic delift thould en juverally occurs in the chaoner form. 343. The remention in alse of isculor prequent in

The description in absent in all of properties the formation of the displacement of the Contract the Contract of the displacement of the Particular in the Lie this displacement of the displacement of the displacement of the original into the Leis the laintended of the original displacement of the writing to the follow which with the horizon by the the the the the the the wind the thrown by the the the tolerably good, it should be tolerably good, it was absorbed and carried of the the curie, and the Patrial was absorbed and carried of the the curie, and the Patrial



Stope he acute Hapabilis on often how e great Sechness, and so with the wind the Helse is a bourse. I he for this flower is a bourse. Head in the stoom week, restronged the Palse is a with Joseph owner of manual affection that of Subscribes. With Joseph he with Joseph he he was a being all suite will complain of a cataling has a drawing in his breath, but in Presenting thereis are a drawing in his breath, but in Present and with us what will as if he could not us fare his hungs.

226. Injuries & the Beam metines produce it,

Boys, we often find that Suffered him will follow.

—into the ducts,—into the lungs,—into the abdominal cavity:—induration or scirrhus.—Gangrene?—Signs of these terminations respectively,—and their most frequent consequences.

344. DIAGNOSIS. Acute hepatitis often simple, but occasionally joined with pneumonia or gastritis; and sometimes entirely mistaken and unsuccessfully treated for these.—Marks whereby they may be generally distinguished.—Frequently accompanies bilious remittents, and sometimes intermitting and contagious fevers in hot climates.—The chronic form often connected with Dysentery.—Importance of attending to these combinations, as considerably influencing the treatment.

345. PREDISPOSING CAUSES;—Male sex;—adult period;—certain constitutional tendency, marked by excess or irregularity in the hepatic secretion, and often connected with plethoric habit, tense irritable fibre, and passionate temper:—stopping customary discharges, especially the hæmorrhoidal.

346. Exciting Causes;—occasionally all those that induce general inflammatory pyrexia, as—sudden vicissitude of temperature,—cold drink,—violent bodily labour or exercise;—but more especially excess in spirituous liquors, and continued great heat of climate or season.—Mode in which these last operate;—and enquiry why Hepatitis particularly frequent on the Coromandel Coast.

347. PROGNOSIS.—This generally favourable in the acute form, if the disease be early seen and properly treated. But in the chronic form, its progress in disorganizing the Liver is so insidious, and so often connected with Scrophula, Cachexy, or habits of intemperance, as to render the Prognosis very difficult, and often unfavourable.

348. The TREATMENT OF HEPATITIS necessarily very different, accordingly as the disease is acute, or chronic,—simple, or complicated.—In the acute form, bloodletting general and topical,—blisters—cathartics, and other antiphlogistic means—must be had recourse to in proportion to the violence of the inflammatory symptoms, the previous health and vigour of the patient, and the nature of the exciting causes.—Why venesection less, and local bloodletting, with purging, more useful here, than in pneumonic inflammation.—Why Calomel more efficacious than any other cathartic; -with directions for its management.—In the advanced stage of the acute, and almost universally in the chronic Hepatitis, Mercury carried to gentle ptyalism, the most effectual remedy: enquiry into its modus operandi; and curious observation respecting it in latent hepatic abscess.—Other remedies occasionally useful, especially in the atoxic form; -mild diaphoretics, -tepid bath, fomentations,—diuretics,—bitters,—alkalies, — Cicuta: -issues, -setons; -sea voyage: -Nitric Acid? -Extr. Taraxici? &c. Remarks on these.

HEPATITIS is a rare disease in Europe; with arguments to shew, that it is often mistaken for, and treated as, Pleuritis and Pneumonitis.—Proofs drawn from the complicated and peculiar structure of the Liver, and illustrated by morbid preparations, demonstrating, that it is subject to a greater variety of diseases than perhaps any other organ of the human body. Enumeration of several of these, with remarks upon their symptoms and treatment:—1st, Inflammation of the investing membrane, followed by adhesion to neighbouring parts.—2d,

340 he should bleed lengely at first and it, whiteties is flowing from this bein; togething with the cureins towns noted in the Syllabors, when it occurs in combination with other Direases, it many then be againstive how for OI will be proper, in warra Climatis even here we must have accourse to general alid afterward, local Bluding. After to we must employ local bleding tog the with human real Cathanties, Blister will also greatly afrish us in reducing the reflam ": By purpose with the daking Preparations we recovered alwige disense from the Boweles and walout the Cortal system by Espening the circulated in the lever. In hot- Elimates followed in dozes of go x to xx ency be given every foron hours, and it does and out at ale fromer fully on the Bowells. happears that omale done of Minesery by exciting the certical of the Priliery system releives the corpostato under what this Oyan Fabours. I hatte downie otage where their is contrability of the Mounth it is often are enjoury to add a lettle ofrerow, and when you would to act in the shair Francy be constrined with Centuring or the ware. Bath will be a good adjunct, When you would to witerd wer there any dowly into the constitution and to their sof the ore of the Atrical Bitties wite bear eful, as Colored gart, Leagh or Eurocarillo, alkalies wile tour to wiffly the deficiency of Bile. There di wile advise, a joined audres the back of the ayour. He hetaic and either alove, a joined. with the humatic forms one of the best remedies in the chronis steep in relevous Freshor. They have also becured as a Bath, but it. and also an emption on the Shin. D. [has given falouel in di dones but he did not find it more successful than ornallerones, weither was it production fany but significan, - It has been observed that were an alours is forming this difficult & forodress Ofyalions, Int histoiners how occurred where it was brought on wine heedily, therefore we ought not to be too free but a Nathtin When there is any tendency to droppy of willy a Pil Ligh. folow shill be fivew frees a detour with be francher en there is any tendency & Discarcio the Lengs -. the lites - Voureatio acid angry be tried where the Patrick and bear the exhibition of hercury-





349. By for the anost frequent femetional Disorder of Bile.

350 Considerable burner real in the thouasthe.

252 the ory them is that which used to occurs in one tie aution with other Diseases, there is quarrily a becaliar affection that fixed pain small thand Pulse qual prostration of trength which occurs in the Phlymon but there is frairabled a stiffing frain all over the above the Above the observe, the observe is left had other towns are ordorn evertifiated.

Inflammation of the substance of the Liver, often ending in partial obstruction, and occasionally in abscess.—
3d, Mucous obstruction of the ducts.—4th, Granulated Liver, soft and hard.—5th, Tuberculated.—6th, Flaccid and macerated.—7th, Ecchymosed.—8th, Aneurismal.—9th, Calculous concretions.—10th, Hydatids.—11th, Hæmatoid Fungus, or Medullary Sarcoma.—12th, Functional disorder independently of diseased structure, e. gr.—(a.) Erethism, and Polycholia or redundancy of Bile;—(b.) Torpor, and Acholia or deficiency of Bile;—(c.) Secretion of morbid Bile, either from particular disordered action of the Liver, or from certain conditions of the blood and general system;—Cacocholia.

OF GASTRITIS,

OR INFLAMMATION OF THE STOMACH.

350. CHARACTER;—Acute and continued pain in the region of the stomach, increased by external pressure, or by swallowing any thing that irritates by its bulk, quality, or temperature;—frequent retching, and occasionally hiccup:—pyrexia, with extremely quick small, and hard pulse;—great anxiety and prostration of strength.

351. Idiopathic Gastritis rare; but many of its symptoms occasionally attends inflammation of the liver, intestines, or kidney;—and also various fevers, especially Bilious Remittents, Yellow Fever, &c.—Examples illustrative of this in the case of the Liver, &c.

352. Division of gastritis into two species, viz.—(a) the phlegmonous, and—(b) erythematic:—foundation of this division, and marks of each species.

- 353. Predisposing Causes not clearly ascertained.
- 354. EXCITING CAUSES; drinking very cold liquors when the body is greatly heated;—large doses of Nitre;—overdistension with highly stimulant or indigestible food;—particular determination under general fever:—Metastasis of gouty, rheumatic, erysipelatous, or pemphigose? inflammation;—checking certain chronic eruptions; swallowing articles which act mechanically, chemically, or specifically, by wounding, corroding, or otherwise inflaming the coats of the stomach.—Remarks on the mode in which these causes respectively operate.

335. Progress, and terminations of the disease;—with the appearances on dissection: consequences which ocsionally result from it, when caused by certain poisons.

- vary according to the exciting cause, and the degree of the disease, and to its being simple or complicated.—The chief indications are—1. To lessen the inflammation by —venesection,—cupping, lecches,—fomentations, and blisters,—opiates by glyster, or externally;—2. To recal any external inflammation or cutaneous complaint, the disappearance of which had preceded the affection of the stomach.—3. Where offending matters swallowed are still present,—to evacuate, correct, dilute, or inviscate them; —and afterwards guard against their future consequences.
- 357. Means directed to fulfil the second indication.— Individual remedies especially calculated to answer the third, according to the nature of the hurtful cause, e. gr. whether mechanical, as powdered glass, &c.—chemical, as corrosive Acids or Alkalies,—Arsenic,—Copper,—Oxymurias Hydr. &c.—or specific, as certain acrid or narcotic vegetable matters.

354- When a Verson has furted a long time, he should suft take any stimulating entile het comething that is mild-as a little with de ity frotating that it is sometimes produced by exterior 335 When A terminates in the formation of an Obseen. the have will be left vir but, such with the tood, and the Then bersenie is taken you in aniably him the ! There as my the head of the alivertains Coural. 356 In the active form of this we must bled leagely. Illowing the lay cuffing the Leguide that have their the brought to a hear temperature by placing them the trees the wow the great tites of the welly be installowed with adva tope , in the legaline atout he flaunt. The the form the formally to the factor has been been by the flower to the first he had been that the hard he had been that the head have had been to the formally to be the formally to the flavor that the formally the true to the formally the formal that was the true to the formally the formal had been the formal that the formal had been the formal that the formal had been the formal that the formal had the formal that the formal that the formal had the formal that the formal that the formal had the formal that the formal had the formal that the formal that the formal had the formal that the formal had the formal had the formal that the formal had the formal that the formal had the for who by topical blewing for ticharly in young thistoric habits. produced feel, we should five Delicate & herealiges in der Delicate & between one others. To an heating there in linetic and encourage bounting Acrees betaken from the Porceles and File free free of the Super to ever with the Copper to the Copper it to the Super side of the conficient of the confici Topper we dened then head it as respense bufferen of the

257 Alvalie leid betaken, a large quantity of mucila ginous flied shill betaken to dilute has much as fofor Allahalies are more tuken a weak leid shill drawh in now to make the intested, but of it be in the counties of tate I will mind entitle act on the Stowark Docolioyis.

360 When this again outfire from Confisters in Ciques, abstraction of Blood locally with be prefer, Hy groves the new indicates and applied to correly use, it will presently be endued to its natural organ and repaired its healthy state when an abscrip bathers place and it adheres to the handless of the other when the formit, he observed the street of the therewards the street is above of here were should be given, the Boarders the fire clarity of and the sound be suffered able to receive them.

359 Sometimes you have the such lead surmonly at ten and the bellies of the Splen during at ten and the bellies of the bellies of the transit and files the surmon server a left distanced with the sheer becomes were much enlarged the other than the surmer this of taleintis in Biolog.

360 It has the disease recover proposed you should.

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36, The Thiday is sometimes enlarged from the atoma show from the dellary lance owns, an Abores sometime from him nearly the whole of the Riday is absorbed, occasionally the southand their there exerce large absorbed, histories have accounted while there exerce large absorbed of the Here is east a uniform of the delivery, meanly the whole of its intrivial variations being absorbed, and other the secutions of leaves remaining as exprising as in a healthy state.

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OF SPLENITIS.

358. Idiopathic acute inflammation of the Spleen an extremely rare complaint:—probable cause of this.— Symptoms characterizing it where it does take place; —Pyrexia; pain in the seat of the spleen, increased by pressure, and accompanied with tension, and heat of the part; without any signs of Nephritis.

359. Simple Congestion,—or Chronic inflammation and enlargement of the spleen, occasionally with abscess, a common attendant upon, or consequence of, Intermitting and Remitting Fevers in certain countries.

360. The treatment of Splenitis, whether acute or chronic, nearly that directed in the corresponding states of hepatic inflammation.—Curious operation said to be practised by the native physicians of India in cases of enlarged Spleen.

OF NEPHRITIS, AND CYSTITIS,

OR INFLAMMATION OF THE KIDNEYS, AND OF THE BLADDER.

361. Acute Nephritis and Cystitis of rare occurrence as spontaneous diseases; being usually the consequence either of irritation from certain foreign matters passing through the kidneys and bladder, or of calculous matter formed in them.—Chronic inflammation and ulceration, however, or thickening and mucous or puriform discharge of these organs, occasionally idiopathic; but still oftener symptomatic of gout, gravel, or stone.

362. Symptoms of Nephritis; — Pain in the region of the kidney, often extending along the Ureter, and causing numbness of the thigh, with retraction and pain of the testicle on the same side:—frequent calls to pass off urine, which is sometimes rather pale at first,

but oftener very red and scanty; and occasionally altogether suppressed (Ischuria renalis.);—retching;—preceding or accompanying pyrexia.

- 363. PREDISPOSING CAUSE,—Constitutional irritability of the kidneys, generally connected with gouty or calculous habit.
- 364. Exciting Causes;—Mechanical injuryfrom blows,—falls,—strains,—long continued and violent exercise in travelling;—cold, especially with moisture, applied to the loins and belly;—certain stimulating matters swallowed, and acting specifically upon the urinary passages, as Cantharides, Turpentine, &c.—metastasis of gouty inflammation;—the lithopoietic process,—or the calculous matter when formed, acting by its bulk or figure.
- 365. DIAGNOSIS; —Symptoms distinguishing Nephritis from rheumatism,—from colic,—from enteritis,—and hepatitis.
- 366. TREATMENT; Venesection, cupping;—
 leeches; mild cathartics; glysters; warm bath, —
 fomentations; antimonial diaphoretics; Opiates; —
 mucilaginous diluents; super carbonated Soda Water?
 ——If from Gouty metastasis, then means directed to
 re-excite the original inflammation. See Gour,—If
 from Calculus, the means specified under that head.
- 367. Symptoms of Cystitis.—Pyrexia followed or accompanied by pain and tension in the region of the bladder, increased by external pressure;—frequent and painful discharge of urine, or suppression of it;—tenesmus.
- 368. Predisposing and Exciting Causes,—in general those enumerated (363-4);—likewise injury during labour;—extension of gonorrheal inflammation.
- 369. Irritation and gleeting of bladder (Cystirrhæa mucosa, vel Catarrhus Vesicæ), sometimes occurs in delicate women, especially after lying in;—and chronic

362 Considerable Initability of the Homach, the Palent complaining of Nauseak reliching, sometimes it is our companies to have have been similar to bother, but his generally find to the hard which is mean the Viday, acute from will be freed weed by free forme and its will be inversed by leavery forward.

365 From the blood heuseles by these being an retraction of the section of home and heir by these being an retraction of the line of the home and heir affection of the line of the Homes and the town of the living at section of the living at section of the living at section the two as a section of the living at section is the commencement which occurs in happenitis. The read on Informatis the read on Informed to the fore freed of the lebel or end in the actions of the Richesters, and methodis of the Richesters, and methodis of the Richesters and the supplies of the Richards and the supplies of the Pladder. The supplies of the Pladder. The supplies of the Pladder. If the further has a factor of the Pladder in the supplies of the Pladder. If the further had a come time to some them is some the factor of the part of the reaches the since the factor of the part of the reaches the since the factor of the part of the reaches the since the factor of the part of the reaches the factor.

365. Build be distripuished from them ation, by the fearing the latter glufling, then y wereased by He Palents agising humself in tied by by warl of house consting the vaine athorn quality on grantity, on is their may attention of the As tieto. 366. Mis doubted how fur au: braft wile he proper Aprilimen requeue of the visheres, but that which is produced by them will be different from the other & Euremindenablearlanation, therefore & thinks They are be given with operates advantageous by when Attentability of the Storensh has been believed. Quater, attilos, and pound with Ristrat - Pottash in hune Cessee will be estimily useful. The outen few ton: Andas leater with the effectors in alwaying the hutability office Florench. It 5. In lecturitis, the synchtonis so wearly resemble the of maphentis; that there will be everidenced enable difficulty in Distinguis him them, Defend with two land when he we deceased the him in the latter resent to discover that offshir, having distinct remisforous.

374. When the helisting specitive al hunciano inflamed the feature of the ries in to Day of the fragme white any in constituence, if see all helistines, bouiling and mich large, at the beginning. The frame wile he increased when it extends to the amescular could now the Patrick with be a usualle to the frosting, downtimes there from fore few days before the Diagnostic synthems of how them solves and thus the Patrick using improper someway by brief of the Patrick of the following in proper someway by their decomes by the Direction of the formal transfer the bis case freeds the formal tenses, or metimes are minimised from fellowed by an increase of whe the Provoles heig offen fellowed by an increase of whe the Provoles heig offen fellowed by an increase of whe the Provoles

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373 Leter Phly. Pain very revere, Synocha, Palu quick, our ale deviny, nounting Montiveness.

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Palougal orato of Bourells.

inflammation, with thickening of the coats, and puriform or purulent discharge by urine (Cystalgia purulenta) not uncommon in elderly persons, especially men.—Symptoms distinguishing idiopathic Cystitis from the symptomatic affection attending enlarged prostate,—scirrhus of the uterus or rectum,—or stone in the bladder.

- 370. TREATMENT OF CYSTITIS nearly the same as directed in Nephritis.—Some remarks on Cystirrhæa,—thickening, and ulceration of the bladder, and other complaints mentioned in par. 369.
- 371. Acute Inflammation of the Uterus (Hysteritis, vel Metritis),—of the Mesentery (Mesenteritis)—and of the Peritonæum (Peritonitis),—almost peculiar to lying-in women:—as constituting a part of Puerperal Fever, therefore, and being intimately connected with the circumstances of pregnancy and parturition,—referred to the course of lectures expressly upon that subject.

OF ENTERITIS,

OR ACUTE INFLAMMATION OF THE INTESTINES.

- 372. CHARACTER,—Severe, fixed, and depressing pain, with sense of heat, in the abdomen, more especially round the umbilicus,—increased on pressure,—preceded or accompanied by pyrexia, and generally by obstinate costiveness,—and followed by vomiting, and tympanitic distension.
- 373. Division of enteritis as it affects the substance of the intestines (*Enteritis phlegmonodea*), or their internal villous coat(*E. erythematica*):—symptoms distinguishing these.
- 374. State of pulse,—heat,—tongue,—urine, &c. in the progressive stages of the disease, according to its particular species (373).

- 375. DIAGNOSIS.—How to be distinguished from Colic,—and from inflammation of the other abdominal viscera.
- 376. Modes in which it terminates—resolution,—puriform effusion,—gangrene:—proportional frequency of these terminations according to the nature and degree of the exciting cause, and the form the disease assumes (373):—Symptoms accompanying those terminations respectively.
- 377. PREDISPOSING CAUSES;—Certain period of life;—full living;—plethora;—habits of indolence;—inactive state of liver;—constitutional irritability of the intestines.
- 378. Exciting Causes;—A. Cold suddenly or long applied:—B. Substances irritating the intestines—(a.) by their bulk, shape, or indigestibility, e.gr. hard kernels, seeds, or stones of fruit,—pieces of metal,—calculous concretions,—scybala;—or—(b.) by their chemical or specific acrimony, as concentrated acids or alkalies,—various metallic preparations,—drastic purgatives,—high seasoned food in large quantity:—C. Worms:—D. Spasm producing stricture or intro-susception:—E. strangulation of the intestine from hernia:—F. retrocession of gout, rheumatism, erysipelas, or chronic eruptions:—G. suppression of customary evacuations, as from piles, old ulcers, issues, &c.—Remarks on these several causes, and on the form of intestinal inflammation to which more especially each gives rise.
- 379. TREATMENT.—The indications are—1st, To lessen or check the inflammatory state by Venesection—by Leeches and Blisters to the abdomen,—by Digitalis?—2dly, to allay pain, vomiting and spasm, and to produce a determination to the surface of the body, as well as

25. Preferre gives faire in Enterities but relaying to the leboon to me of the leboon to have to is generally confined to the heavel the Palacion inflated, the states, in which the the it is full as heard whereast is small know in Presenting.

376. When Genfrene to his place, there is a cefsation of hair, the Palac becomes soft, quick time is a cefsation of Pain, the Palac becomes soft, quick times is a cefsation of Paint falls with a transmit state, and this Patient falls with a transmit state, and this Patient falls with a transmit state, and the Patient falls with a transmit state, and the Patient falls with a transmit state. 378 he Pheumatism. the Inflame more frequently at tacks the necessary membrane of the Atistics, there the Predicted covering and the strict autifhlogistic place in le te accessors, and time after bolde the Catient frelsmeleived from the Jan the but it will notion af even in agenta wer acers -bation, therefore we are of next neces our endead own to subtree the Refluish to amobile perided in the leading by the wheif the Patient, wherewas, the degree of have N the state of the Palse; the hoeal ale, trection of Polar d'air the breatly africh was, Polistersonghet and to be used of the commencement de l'after fece Marerdays en leis sein Mistering over the lebourse soile the externaly unefel, By Notis come of levered at first, but afterwoods as an adjewant to lipe. The Circulation.

379 Therefore we ought to autre pate the aliver of fa by lot aid if this count be afrealed local Bleeting whow he employed together with Alisters.

300. When the Patent is of a full and Pethonic Rabit we amont be attended, active in our Realting B, hil Then Focus in all persons of a debilitated blabit and the we down the contions in the use of the lanet, and in peneral Local Polewing, Pregatives, as shall dove of Aurency, and the Hol Bath will be sufficient Jou should be very contrors in it use, DE. has seen a Patent out after it. In who oascepter the mechanical distinces. of the belistines with water away sometimes town to remove the spasser; Lasting cold with on the absource of to theretas a hagaidous and well framedy. 302 Attention thould be haid to the Brokes and Dut finder exercise much healtowed, and it is necessary to he particular in heeping the Body warms within fresper Clothing.

2 The Marin Bath all the auferative of 100. wite he attend i conthings od effect & the Patient should Alien out be placed between Blue thatter When there is preat brekness Abd. has been freely employed. Calonul & Opmerwile he highly benefisial, Del, her seen this Record of farminor extrewely useful after the Reduction of a Obique pulato Her there has been no retains they way begind with ornale roses of Sentie Cartie. 3. Catharties should not be given before Od. Las been July employed, but when the ingland ogent time! Lague to prive way the Calle Cathanteis wife he found nochel, but will injections rucey be free was by und with the view of kenoving way and and or liction in this large leter they and if there is none, they will not be a will for extention to the hotes tricks. the las seen Cathouting somed with small dones of Opan from Atthe very commencement when the Patient only compliance of tolica pains, and they have prevented the discourse country on-Bed if the Disease does and defeed on Teybala, and anorbid collingies locked up in the Bowles we analy and unfloy Proyations together with 103. with advantages

eventually to reverse any hurtful metastasis that had taken place—(F. 378)—by the warm bath and fomentations, by rubefacients,-by Opium, either alone, or joined with Calomel, or certain other forms of Mercury, and occasionally with mild diaphoretics; -thereby preparing for -3dly, Rendering the intestinal canal capable of being safely and effectually cleared by suitable cathartics.-4th, Where the exciting cause consisted of hurtful ingesta, or other matters lodged in the intestines, and still continue to act,—to remove or abate their irritation, by expelling, correcting, diluting, or inviscating them.

380. Observations on the individual means best adapted to fulfil these indications; and the extent in which they are respectively to be employed, according to the greater or less degree of atonic character which the disease bears,—to the particular circumstances of the case,—the causes inducing it, &c.

381. Remarks on certain remedies proposed in Enteritis; - Tobacco glyster; - Quicksilver; - Mechanical distension of the intestines by injections, &c.

382. Management necessary during the convalescent state, to secure a perfect recovery; --- and afterwards, to guard against a future recurrence of the disorder.

OF RHEUMATISM.

383. A denomination of disease including affections which, though connected with, and often changing into each other, yet differ considerably both in their respective assemblage of symptoms, and method of cure.

384. Imperfectly described by Hippocrates, &c. under the ambiguous term of appears :-- first accurately discriminated by Ballonius, and by him called Rheumatismus; -original meaning of the name.

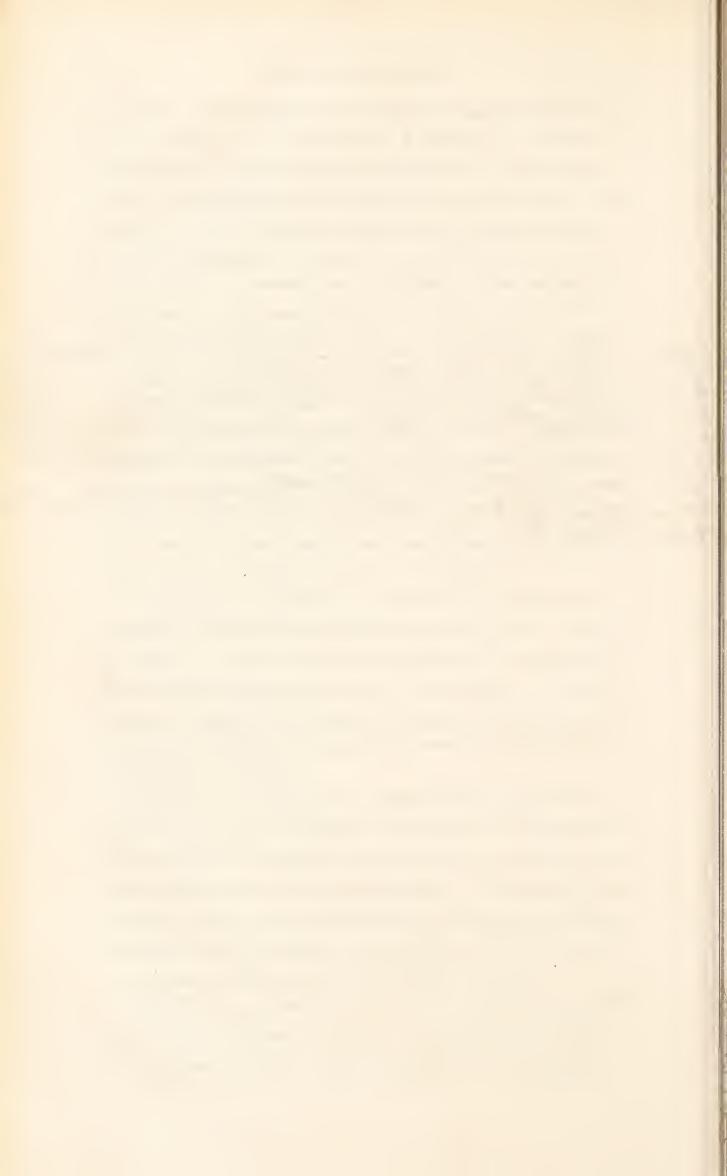
385. Most commonly distinguished into acute—and

as Odontalgia,—Pleurodyne,—Lumbago,—Ischias,—Insufficiency of these distinctions shewn.—Another proposed, accordingly as the inflammation is—(a) tonic,—(b) atonic, or—(c) altogether absent;—(a) RHEUMATITIS (acute rheumatism of authors)—(b.) RHEUMATAGRA (acuto-chronic rheumatism,—Scorbutic rheumatism of Sydenham?—Rheumatic Gout)—(c.) RHEUMATALGIA (chronic rheumatism of authors,—Arthrodynia. Cull.)

- 386. Character of Rheumatitis—Obtuse tensive pain, swelling, and redness,—attacking the larger jointsmore especially,—immediately preceded or speedily followed by Synocha fever (176),—generally accompanied by profuse partial sweatš,—and often shifting its situation, with fresh exacerbations of fever:—lasting from two to several weeks, and then either going off entirely without desquammation, or changing to
- 387. RHEUMATAGRA; in which the joints last occupied by Rheumatitis, especially the ancles, knees, wrists, and elbows, remain swelled, stiff, and painful, sometimes with Œdema, for many weeks, or evén months;—the pain generally aggravated at night, or by external heat,—but attended with little or no pyrexia,—and not followed by any chalky concretions.
- 388. Rheumatagia. Often after rheumatitis or rheumatagra, but frequently also without any previous inflammation or swelling, certain joints or muscles become affected with pain and stiffness, felt especially on motion,—often accompanied by spontaneous coldness and even paralytic torpor,—relieved by external warmth,—and much influenced by atmospheric changes.
- 389. PREDISPOSING CAUSES OF RHEUMATITIS AND RHEUMATAGRA, (386-7)—Irritable and plethoric, or sanguineous habit;—vigorous period of life;—sex?—

Ist Sombines however the smaller fait, are attacked. In grandle find that Mountains accurate the ambie prior of hefs, Menuatages in the raid of & Phenematale fia in the latter, and in Persons sho are much debelied by friends disease: Him of common in Spring shew there is an ansettles state of trecasties.

There Is restaffed any relief, but tind rather to chaust the Patient, strength.



The second of th 393. After the hardness of the Pulse has been releved by Set the house beneficial effect. The combination of Vaitas limite Culomal & Shemin her seen piven with a do antage at his like here there were a fular er a contration of pain in the locaing and their blowed by a present the read surviving. The bin Colchier is best adapted to faces where there is need intrinal suffact but where their est the care the who wile be preferable & wile ander the Patent lef our. Stable of Julius Cottaches, A shed be growin outs lance sweey six Louis_

3go that Sheit ablacks for the clear fourts is penerally, owing to a draft of this blows par the heart. 361 he foul the out out are affected, in theumatism the larger When securs at an early heriod of left, fort later, Other more prequest in termales, Garons she time wells anoutiable to fout, Othern reever title to be produced an external exacting cause, as or promue to told, fout not whered in the someth lever as Other and generally accompanied or preceded by a Homachei Offiction, while Meun is sudden in its attack for A lip liable to Macha havis and does and sheft it, situation so often as them There will be muce officially in ois tempuis him there are togra from Syphilitie pains, but wiless there is any Syphilis in the system it seloon alleches Cylind weal Boxes, and inference follows the wirecourse, duroles Gout aldow attacks temales before the essation of the Care minia.

392 The anorth frequent autastasis of Phennatismis to the Great & President inn. 393. O.d. in young Aplethere Subject, but it am the carried to the Lite Aracourse and of by & Bearhance feeches to the for A wile aleive the Liften Posonationes completely as more it. Ich does and approve of the Haganft, knowe of extubiling the Back, lutafter bodde has been suployed of the attack afrences therewetter Jour, Awite the Mentremely unful; Whateaut & Calonet, a lolvegeth of alouet shary beginner duryes, dudoufus have been condemned in this forplant adit is generally attended with becomeration, but it the artice freshare begiven they will be found to presidence a more the abouty perspecialism. Blokenen Del hous seen altinded with our micero them the usual healt of years Degitaliske. Thurs used to recommend by followed by vendet Carriers, afterwards. Calore ant. Aspenies at lood time. From the York. Colchis there times aday

indolence,—changeable climate and season;—(b.) preceding attacks;—scorbutic (?) habit;—mercurial irritability.

- 390. Exciting Causes;—Cold suddenly applied, especially when the body is overheated or fatigued;—certain unknown changes of atmosphere;—general febrile commotion however produced.—Syphilitic taint?
- 391. Diagnosis, sometimes difficult between Rheumatism and Gout, not only from their general resemblance, but from their being frequently combined:—circumstances commonly distinguishing them,—in the patient's age,—sex,—condition and mode of life,—hereditary tendency,—exciting cause,—mode of attack,—symptoms during the progress—and, termination of the complaint—Rheumatic pains, how distinguished from syphilitic ones.—General character of rheumatic inflammation; and an examination of the humoral doctrine respecting it.
- 392. PROGNOSIS IN RHEUMATITIS—in general favourable as to life; but sometimes metastasis suddenly takes place to the brain, chest, or stomach, and proves quickly fatal:—instances of each of these.—Tendency to relapse.—Symptoms denoting a favourable termination.—Rheumatagra generally tedious and difficult of cure; and in scrophulous or cachectic habits, sometimes ends in a state of the joints very analogous to white swelling.
- 393. TREATMENT OF RHEUMATITIS;—Venesection; caution against the Boerhaavian notion respecting it.
 —Leeches.—Blisters?—Purging,—different modes of proper, according to the period of the complaint, &c. Diluents—Sudorifics?—rules for their management.—Nitre?—Digitalis.
- 394. PROGNOSIS IN RHEUMATAGRA.—This disease not immediately dangerous; but generally obstinate

as well as painful, especially in scrophulous and phthisical habits, and when combined with syphilitic taint.

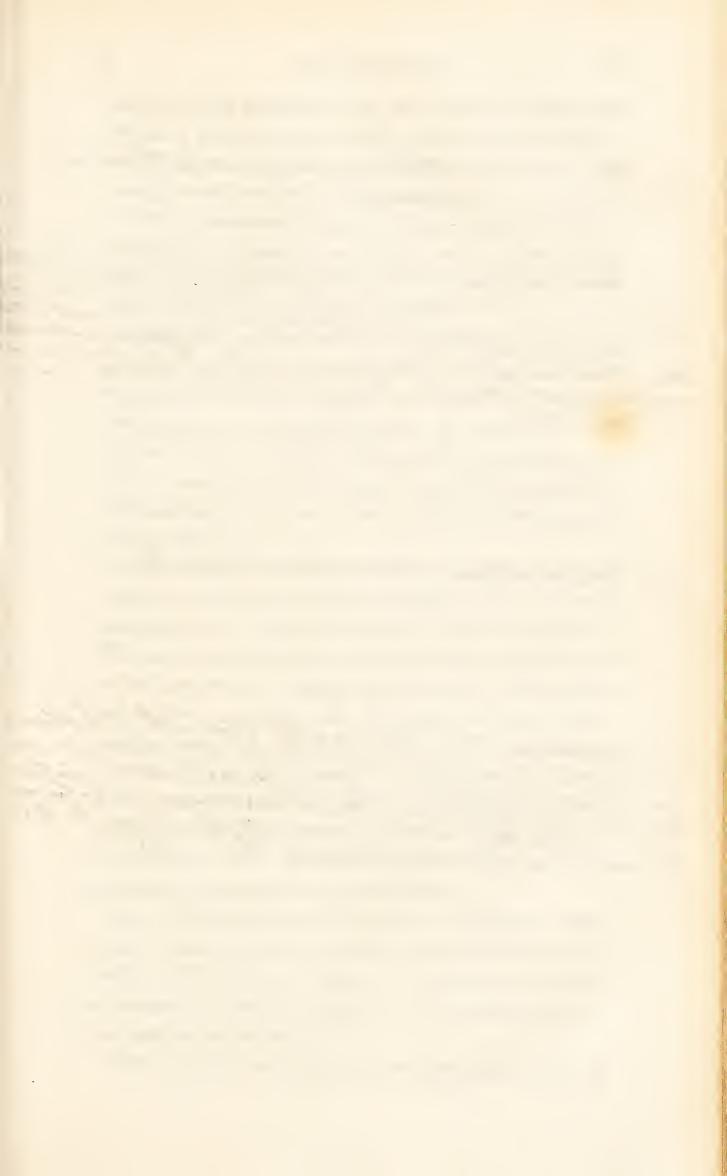
- 395. TREATMENT OF RHEUMATAGRA; Mild diaphoretics;—tepid bath;—local bleeding;—blisters;—tonic bitters, as Cinchona,—Mist. Myrrhæ cum Ferro, &c.;—diffusive stimulants,—Dec. Dulcamaræ?—Mercury,—Pil. Calomelanos cum Antimonio.—Sudatorium;—Douche;—Electricity? or Galvanic aura.—Salt brine.—Vegetable, and Milk or Whey diet.—Sarsaparilla.
- 396. PROGNOSIS IN RHEUMATALGIA. In general more easy of cure than Rheumatagra, except in elderly persons, and when it takes the form of Ischias.
- 397. TREATMENT OF RHEUMATALGIA;—Diffusively Stimulant diaphoretics, e. gr. Guaiacum,—Ammonia;—Sem. Sinapeos,—Infus. Raph. rust.—Dec. Mezerei;—Rhododendron Chrysanthemum;—Slow Mercurial process.—Sulphur;—Ol. Terebinth and—Ol. Jecoris Asellii, &c.—External remedies:—Tepid and vapour bath;—various epispastic, rubefacient,—and stimulant plasters, liniments, and embrocations; Cabbage leaves.—Friction, Champooing;—Electricity,—Galvanic aura:—actual cautery,—Moxa.
- 398. Of the choice and management of individual remedies, according to the circumstances of the case;—and account of the composition of some boasted empirical articles, e.gr. Essence of Mustard,—Mustard Pills,—Guest's embrocation, &c.
- 399. Observations on the most effectual means of guarding against rheumatic affections, by proper clothing, —exercise,—friction,—cold bath, &c.

OF THE GOUT.

400. Gout a general term, including, like Rheumatism, a number of morbid affections differing greatly

3:5 of the is much pain and new ten the founts butains that we must rin cipally need on Lecches over the hourt, thought of Blood will well he also fresher afterward, done Betters will be near oney to suffered the Sheipth as the Bouth with the bol hint ofference ere Hit sometimes fever alove, If his with some Delued. But in Ohloretico demales the Bank in combanation with test will be better, amount on Shlother whice being refles. Stewned will be applicable & cloudy Persons and topid Hality. When we suspend there is a dyphile the dant a wild mer unial course with be frusper, no Mil Oliver a brook corse to but frustientouly in Verth. Habit, the tredatories is placing the Patient in a healed Room; Done hi is from ing inds water from a height and afterwards employing the them. this is a coseful remedy faither levely shout there is adema. sall Brine with be very temperal in Southulas Habits, which dogstable Hot in the first attack, but in of Persons, Loved - When we find Persons particularly affected by the Showed - When they should go a more uniform them the state the the the the the Pulse has been releived by the the the the Bowle will be attended with the throat to be fruit the the throat thr - confice is the Perto Thescul-399. Hannel shoot be woon next the when and we France Calico, Exercise should be taken ragar leads when underation, after a Person has been baboning ander Pheumation, Le should begin with a Tipid Battle and francally lipen the Heat untite he is able to be an the cold Prints, which will be very useful in frementage elaper -

of whitily the Amertweed & Horsera dish is the hefer. Ormoras. fout. When there is any explicit on the Skin the preparations of Sulpher wile be useful. De. has grow the ise Section the in Doces from place of 3; delalo in the Sortina to forms of Jochens, fularitact or the Polado its offets week to watered, to Burdoly has seven bowlers heineral tolition in obstinals frinces of the for plans with ourcefs where other Rundies lane fruited but this and a newedy which should be preferred The bahow Bath well oftenoucesed where the topis Los failed; & Concommends the combination of faculture & the form of the tagens see frugo Harmacoff applied over the front brenewed on ce in 24 Clours -The fuce of the Briong book has been found success feel as a Rubifacient, it produces an emption frequently. Champoons, that is guilty ogenerais a com beating the hart affected, while in the warm Bath. has been is idation fund traction is one of the most useful neared is we possess in this Disease and alw topreventa alapare Shotricity should red the simple yed if thereis any lefter action going on in the fourt, the falvanieleura will be augu advantageout, Bir sportfally weressay that attention be hard to the Bowles.



Mot. Podagia when in the Port, foregra, in the aren, 402 The fourt is inercelle accorded tempore, and varle The Disease has ascally a regular evening aparentia to and it commonly received in the Spring Alterture Minds When it occurs is your pursons and this the prist time it makes its attack in the huning subout 2003) without any huning subout 2003 without any huning subout 2003 without any process illusp. 403 Petrocedout fout soldow attacher your Perons, 404 Smetimes the affection of the Stouachie's higheren symptom. He Osta Decis often offerhounth Catariher Besides have all the Brokesthis from sof this for followings, but They are perenally of the paperios Charecter,

both in their symptoms and seat, but all arising from the same primary cause.—The $\alpha\rho\theta\rho\nu\tau\nu$ of the ancients;—the Podagra of Boerhaave and Cullen:—Fr. La Goutte—origin and meaning of these names.

401. Sometimes denominated from the part it affects, as podagra,—gonagra,—chiragra,—&c.;—but the division into regular and irregular, or rather into tonic and atonic, the only one practically useful.

402. Character of Tonic or Regular Gout; —Pain, swelling, and bright redness, suddenly affecting the joints of the feet or hands, and especially the ball of the great toe,—generally preceded by some unusual affection of the stomach;—followed by synsptomatic synocha,—and going off by gentle universal perspiration, with sediment in the urine, and itching and desquammation of the part.

403. Retrocedent Gout.—Sometimes the pain, swelling, and redness which had begun in the extremities, suddenly go off, and colic, delirium, &c. take place.—This more especially the case, where the regular course of the paroxysm is improperly checked, or where slight and fugitive pain, &c. with dyspepsia, and various anomalous symptoms, mark the *atonic* form of the disease.

404. MISPLACED GOUT.—At other times, instead of the extremities, the stomach, brain, lungs, intestines, kidneys, or bladder, become affected with disturbance of function, which immediatly gives way upon the inflammation appearing in the extremities.

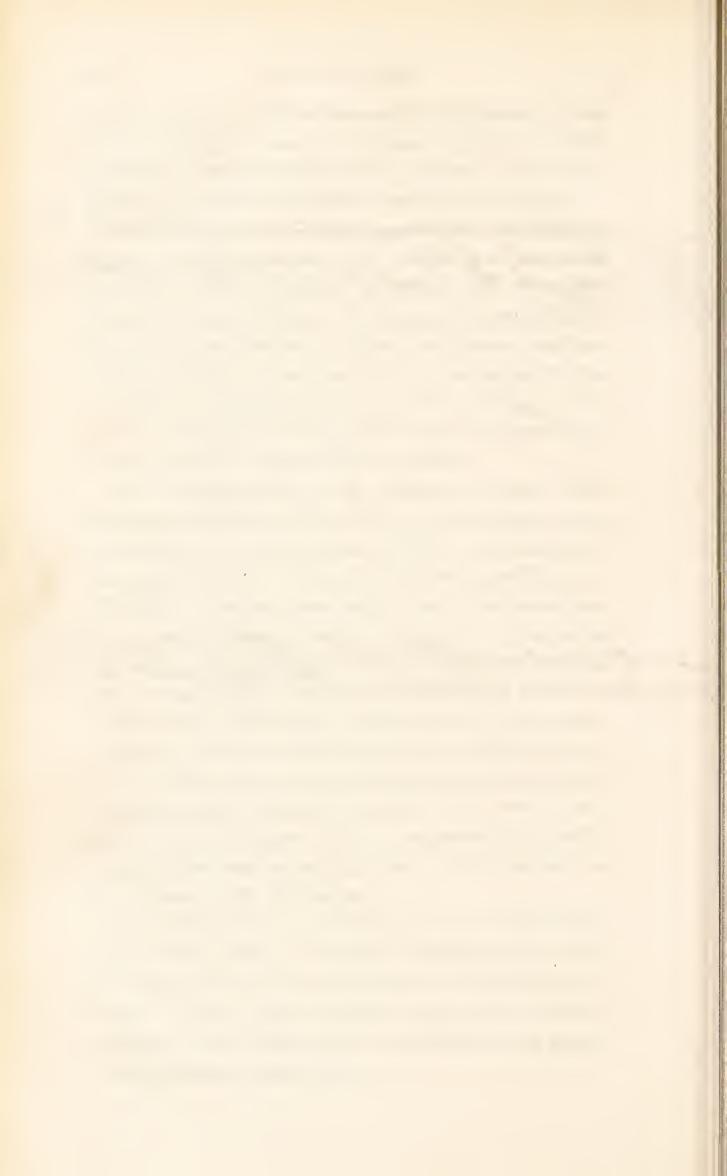
405. PREDISPOSING CAUSES; — Original constitution, often hereditary; — middle and advanced age? — virility; — full living, — neglect of exercise; — weakness of stomach; — fermented liquors of the acescent kind; — the application of lead.

406. Exciting Causes: - Occasional excess in

wine or spirits;—sudden vicissitude of temperature, from variable climate, season, or exposure;—sprains or other injuries;—Passions of the mind,—anxiety,—intense application to study or business;—excess in venery, &c.

- Gout from Rheumatism (391);—the two sometimes combined. The symptoms of atonic gout extremely numerous and proteiform,—often appearing as dyspepsia, hysteria, hypochondriasis, asthma, palpitation, syncope, vertico, apoplexy, paralysis, &c. &c. according to the original or acquired tendency to those diseases;—and thereby making the discrimination between it and several other disorders, occasionally very difficult.
- 408. Consideration of the question whether Gout primarily a disease of the solids or of the fluids,—with an account of the subordinate theories.—Arguments for a morbific matter,—others for the nervous pathology;—difficulties attending them singly,—and conclusion that Gout is a compound disease.—Conjectures respecting the nature of gouty inflammation;—its analogy to phosphoric combustion shown;—and application of this to explain many difficulties with respect to the causes, symptoms, and cure of the complaint in different cases.
- 409. Discussion, whether regular fits of Gout remove or prevent other complaints, or rather, other and anomalous forms of the same disease:—arguments in the affirmative, illustrated by striking cases;—with strictures on the opinion of Dr. Heberden.
- 410. PROGNOSIS, twofold, viz. 1st, as respects hazard to life; 2dly, as regards permanent cure;—To be drawn from the circumstances of constitution,—habit of body,—age,—condition and mode of life,—particular form of the disease,—its duration and effects,—its metastatic tendency, &c.

40 g. Definitions of Stallers Theory Mat it said is a faction in the heart on the Stallers Theory Mat it said is and in the heart on the stallers the start on the start of the start on the start of the start of the start of the start on the start of th



413. he young & Olethonic Habit, where the foul has tallen in the Stornach, Obert or Brank. The exhibition the heating a powerful themelant, will be hungful, but Anold persons we must principally rely on local depletion Alisters, active Diffusive themelants. The First Bath vile been treatly exclude Both, together with Blisters Doughism to the beck

412. he strong & Roberst Subjects, Del. Hender that Blowdle with underation wile to extremely useful at the ouset. packenlouly when this anersly asquired biseases, but Shew the Fatient has been loop subject to it ned no. Our Senetic reacy be asserted to when Meaner on after a. Jule Mucal to unlow the Homewh: as a fathantie five It folde for May dalencer at the same time some alka line Parth as heagersier to correct the Circulty in the Prime of Whei, Somme Garden the Senfuation of the Room should be bo Sahrech. The application of cold water is adappeners Cleaned, unlest it ha in a strong this but dabyiet when it many he In the Ottorie form the bafour Bath & fles en Honey use without were trush. haquently only set to I fution the Gents stage it will be injurior , from its coursing an accumulation of lied. Be Vallow States that he has up hit ited officers hier A without any once for the Barles have on Put specal- hito Jonies will be fresher in Ourous who have been yutyet toit.

414 In Jump Pecsons we should direct gon plate abote were how formed to higher accurate your that in closely become with man been frequently subject to this disease a small guarantity of plainty drefted commend food show he allowed, with light triver, as therey, or if this turn acid in the Stomach, a little of ficial

- 411. THE TREATMENT of Gout necessarily various, accordingly as the disease is—tonic or atonic,—retrocedent,—misplaced,—hereditary or acquired;—but chiefly resolved into that required during the fit,—and that proper during the interval.—The principal indications are, 1st—
- 412. In the Paroxysm,—to moderate the violence of the inflammatory symptoms,—and conduct the disease with safety to its natural termination;—By Venesection?—Emetics?—brisk cathartics?—gentle laxatives, diluents, and mild diaphoretics:—regulation of temperature;—application of cold water,—the circumstances and management necessary to render it safe; and various cases of its fatal effects related.—Remarks on the opposite plan of—vapour bath,—oiled silk,—fleecy hosiery, &c.—External applications,—Soap plaster or Cerate,—Native Oil of Camphor, &c.—Opiates;—tonics.
- 413. 2dly, When retrocedent or misplaced, to recal it to its proper seat in the extremities;—By local evacuations from the affected parts;—blisters, and rubefacients to the extremities;—Opiates, and diffusive stimulants, as Vol. alkali—Camphor,—Musk,—Wine,—Spirits, &c. very hot Pediluvium alone, or with oxygenated Muriatic Acid.—Liniment with Phosphorus?—Doubts respecting the propriety of some of these in certain cases of retrocedent gout, and success of an opposite plan illustrated by cases.
- 414. 3dly, In the Interval, to remove the effects it has produced, and obviate its recurrence,—by diet and regimen adapted to the form of the complaint and circumstances of the person. By very moderate use of, or entire abstinence from fermented and spiritous liquors,—animal food,—excessive study,—and

sexual pleasures:—Regularity in exercise and sleep;—friction;—Cold bath;—employment of bitters, and other tonic medicines;—antacids—warm laxatives.

415. Account of the chemical composition of chalkstones, and the methods that have been proposed for their removal.

416. Remarks on particular remedies, and modes of treatment:—Guaiacum;—Semen Sinapeos;—Ginger;—Cajeput Oil;—Sulphur;—Bath and Buxton water;—Cicuta;—Dulcamara;—Le Fevre's specific;—the Portland Powder;—the bad consequences observed to follow this powder, accounted for.—Buzaglio's method;—Mr. Welles's remedy.—Eau Medicinale de Husson.

CATARRH.

417. Derivation, and meaning of the term.—Syn. Destillatio of Celsus—Anglice. — A Defluxion,—A Cold.

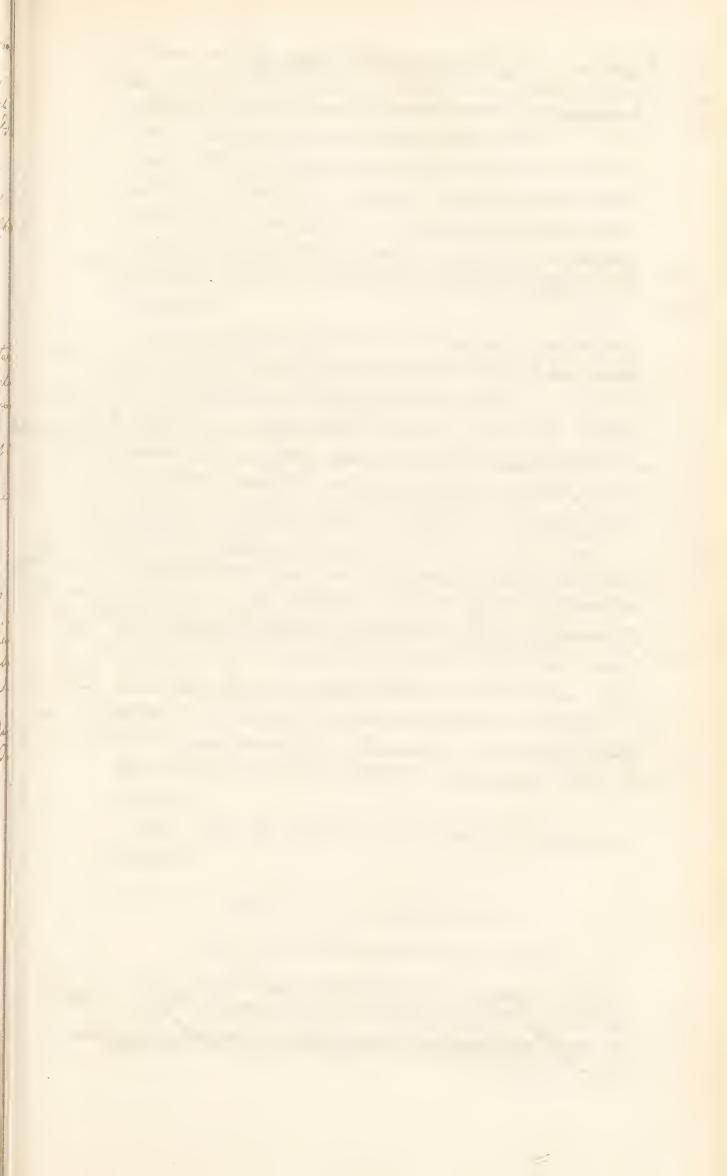
418. DEFINITION; Inflammatory state of the mucous membrane lining the nose, fauces, trachea, and bronchia, with pyrexia; often epidemic, and sometimes contagious.

brane, with subsequent increase of secretion,—progressively extending to the fauces, trachea, and lungs, and causing a sense of rawness and soreness of these parts, accompanied with more or less cough and expectoration:

—Stiffness, and often great tenderness of the skin round the nose and eyes;—gravedo;—dulness and confusion of thought;—stiffness and soreness of the cervical muscles;—general lassitude and aching of the limbs;—occasional chills, particularly along the spine;—quickened pulse;—increased heat;—dryness of skin;—whiteness of

414. Autow is one of the most howerful remebiles over Conflaint a been of a cities of Elemente. Carlice would the frist which have been affected excleaver Too for a cutimiance of Better wilde hope direct is they prove here estrict the common factor Sandy is one of the enost pour left betters that con he grow to be in a factor of the best of bree and acts as a Pary atite. Bouchavis fort Made the vis a uneful warm Larattive My. Ohn 3; sol James Big orene Cardam & Concerter Feed, Dejected in a one fresh of Parof therid .

413 The best mode that we can adopt for their assessed is to huch the peats is were with Poultiers, and when they a learnate to draft theme with some will brickente and apply bourseles acid, bountimes they are realis in the Eillalux Mundrace, montrequently in the thursa luce or a theore in the fourts unless the light elecate, Dit was seen their in the Cellecton Prent. in the aniddle of the County for Confrontin of black Stones is hittie Buil with town the former being a 116 The Coup of Porder francour will be with Varjates when there is any Emplisher the Main the Decortish wie to better. A fall spromplet long there had beed with be a very ford warm Purgation; fuper dear reach instead of common Tea will be found a weefal warm otherwhall and has succeeded in preventing attaches of fourt-Murgaplaciamethod of cure, ansisted in wais parolent exelient fittes faut affected. The Obelian Conscioners Jone to de Dicine which was much and formally is fought is faith is found the the beautiful is lattly brought into. the feeguetty bound to be productive of a food effect M. G. rays before he has recourse to any of these Pen. la how to them the Earl tuedicinal but be found it parts a memberes of the fresh affected there fore he was a fraise to repeat it, atthe it quickly released, him -



generally attended with a remission of ale the Vyen, Found. 420 Cartageon viloun revoluces etiet, cotice tels them a kin har les Warge 422 When the hiplan of toudralog the Besuchi out Parification, bet much be head recounted to, as it is very likely to from like to the thirties in Pensons ined's. and Theater continued with Brafile from all bed line whech will generally increase the scentise of produce a delumination to the Stain; when the Disease assumes the Chaorin form particularly after the Josemunaffection, Senetics Les fectorants as squelly and Persons and enventure seems and denother, bushoes with whis dipolord in them will be worked, when their is much difficulty intrincing of the wheeteration & By sprace at the office of tother should be whated. 423. When it allache of Purous it after proves falal. in this (mpland Rocal Bled. KBlisters with he en me oak then to, but in young Persons when the disease attachs the lungs bot weed to had reconnection 426. Philis Pulmon: has been human to aun this its course without being occompanie dwith any from:

tongue;—evening exacerbation and morning remission of fever.—Eruptions about the nose and mouth.

- 420. PREDISPOSING and EXCITING CAUSES;—individual disposition:—sudden change of temperature, and especially cold applied to the head, neck, and chest;—certain states of the atmosphere operating extensively, and giving rise to an *Epidemic Cold*, or *Influenza*;—Contagion.
- 421. Account of some of these Epidemics, particularly that of 1782, and of 1802-3;—their general and peculiar symptoms; and their respective results.
- 422. TREATMENT of SIMPLE CATARRH, or that arising from ordinary causes;—laxatives,—diaphoretics,—pediluvia,—blisters,—bloodletting,—Opiates;—demulcents,—expectorants;—emetics:—Inhaler;—remarks on these.
- 423. TREATMENT of EPIDEMIC CATARRH, or Influenza, to be regulated not only by the constitution and habit of the patient, but—by the general character,—and peculiar or urgent symptoms of the disease;—and especially, by the sudden change which often takes place, from an apparently active inflammatory state, to one of great prostration.—Illustration of this, drawn from the history of such epidemics, particularly that of 1802-3.
- 424. For the treatment of chronic Catarrh, see Phthisis.

OF PHTHISIS PULMONALIS,

OR CONSUMPTION OF THE LUNGS.

- 425. Derivation and meaning of the name.
- 426. CHARACTER; Cough, hectic fever,—and puriform (266) expectoration,—accompanied with ge-

neral emaciation and debility,—and succeeded by colliquative sweats, often alternating with diarrhœa.

427. Symptoms very various both in number and degree, in different cases—sometimes from obvious causes, often from unassignable ones;—and hence dispute whether the pulmonary affection be the primary and essential cause,—or whether merely an accompaniment of the general disease. Consideration of this point.

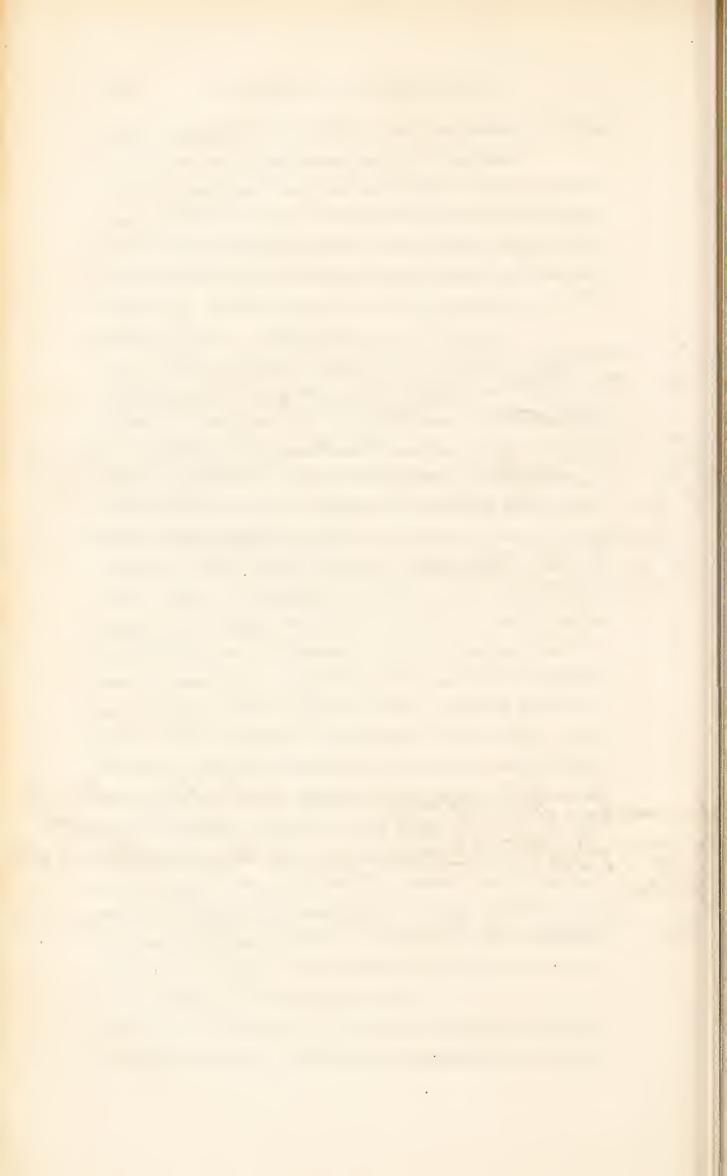
428. The symptoms that more commonly occur, are -Cough, either frequent, and teazing, or occasional and severe; -- sometimes dry at first, oftener with expectoration of tough phlegm, blackish mucus, or of puriform matter, sometimes streaked with blood: - Dyspnœa; dull and oppressive, or sharp and shooting pain in the chest,—but sometimes neither:—Tongue generally foul, -often morbidly clean and red, -occasionally quite natural.—Skin in general dry and hot, but especially the palms of the hands, and soles of the feet,-with circumscribed flush on the cheeks; -often, transient chills, more commonly, a regular febrile paroxysm morning and evening, with nocturnal sweats. (Hectic Fever).-Mind little impaired; sometimes more acute - and generally confident of recovery; -but decay of the bodily functions shewn by,-gradual loss of flesh and strength, pearly whiteness of eye, -incurvation of the nails, and sometimes loss of the hair.—Appetite variable,—generally impaired, but occasionally craving, and sometimes good to the last.—Vomiting after eating.—Colliquative diarrhæa, alternating with the night sweats.—Œdema of the feet and legs, with apthæ of the fauces, and occasional delirium, often precede death.

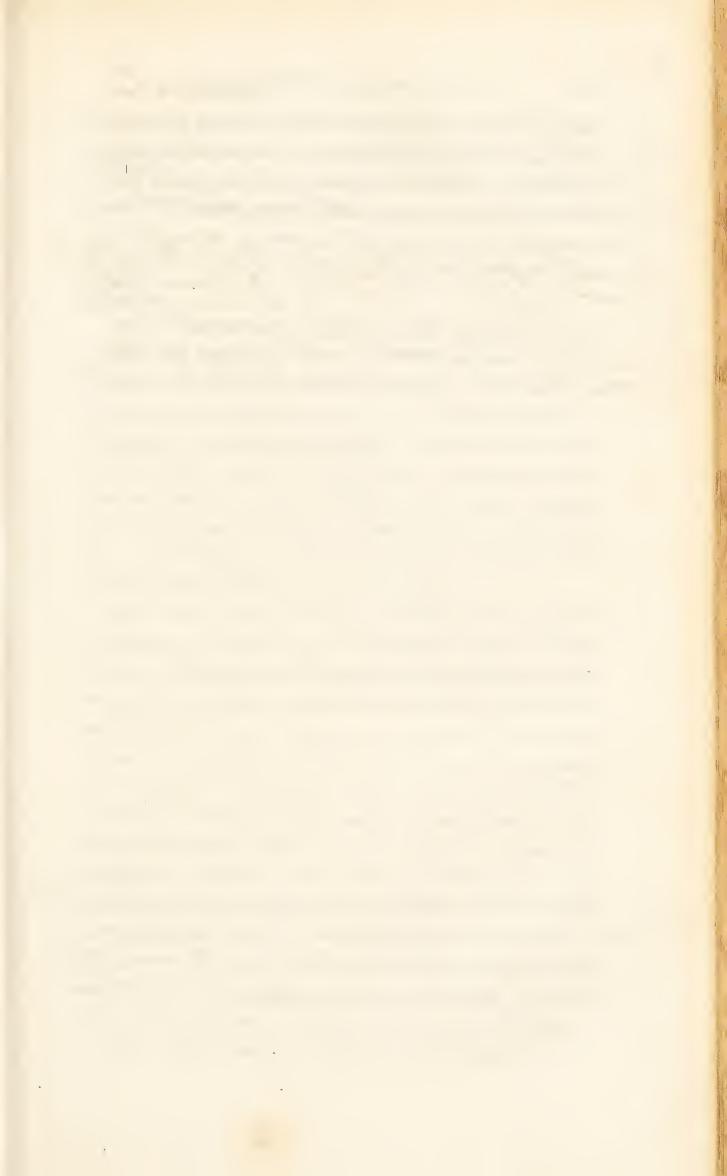
429. PREDISPOSING CAUSES;—Original, and often hereditary tendency;—marked by irritability and weak-

428 cometernes only a constient weat and when it care, the Patient also complaining of her preser-High Dyshaceun taking exercise, a change come ne at light The this and and the cheaks coming a after heads and after meals which courses the food to be harshed Your suppose that afthe do not take place but when the are delections of the hours: herita living the testines, but this is not the case as & har formed from bution.

bede Patiens Pulmonalis en A former de levelue

pretion.





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431 intentous matter may strain accurriceable leagth of time in the heart suctions peroducing and the land of when the interest with the Bronchice cubes it center tours things from it wife.

ness of the vascular system, especially of the lungs,—and by frequent catarrh or hæmoptoe.—Scrophulous habit, laying the foundation of tubercles.—Narrow or deformed chest.—Earlier period of adult age.—Variable climate;—local quality of the air.—Inquiry why so frequent in England;—and why certain trades particularly free from phthisis.

- 430. Observations on certain marks considered as denoting the phthisical tendency;—Sanguineous temperament,—fair soft skin and hair,—light eyes;—tall and thin person,—long slender neck,—projecting shoulders;—long fingers, with very convex nails;—unusually white, and sound teeth.—Opposite description of persons in whom also the disease occurs;—middle or low stature—opaque skin,—dark hair and eyes,—dilated pupils,—tumid upper lip;—short fingers, with truncated nails;—Forms which it respectively assumes in each of these.
- 431. Exciting Causes;—Pneumonia,—Catarrh,
 —Measles,—Small Pox,—Whooping Cough,—Various
 Fevers.—Spontaneous Metastasis, or repressing of certain
 eruptions;—Sudden variation of temperature; neglect of
 covering the breast and neck;—certain unknown condition of atmosphere.—Frequent over-exertion in speaking, singing, or blowing musical instruments.—Compressing the chest by tight bands, stooping posture, &c.
 Inspiring certain kinds of dust or vapour.—Substances
 accidentally lodged in the trachea.—Inhaling the breath
 of persons in the advanced stage of phthisis?—Hæmoptoe:
 —mechanical injury of the lungs, from blows, &c.—
 Formation of calculous matter in the lungs.—Communication of hepatic abscess (343).—Syphilitic taint?—
 Mercurial irritation.—Febrile irritation from Worms.

432. Appearances on dissection, illustrated by pre-

parations, and connected with the previous symptoms,—dividing phthisis into three principal species, viz.—A. the vomical.—B. the catarrhal.—C. the tubercular;—and explaining many particulars observed in the rise and progress of the disease,—the effect of remedies,—and the final result.

- 433. Account of the different opinions entertained respecting tubercles. Their true nature, and their variety, illustrated by preparations; and the different appearance of the *sputum* explained from thence.
- 434. Description of hectic fever, and discussion of the several theories offered to explain it;—general debility,—defective assimilation of chyle;—suppurative inflammation;—absorption of pus;—abstraction of nourishment;—hyper-oxygenation of blood;—general state of the system.
- 435. Tests proposed to determine the purulent nature of the expectoration:—inutility of them shown, and obvious characteristic marks pointed out.
- 436. DIAGNOSIS.—Symptoms distinguishing idiopathic Phthisis from Catarrh,—Vomica,—Empyema,—Chronic Hepatitis, &c.:—these, however, often fallacious, and why.
- 437. Prognosis;—to be drawn from—the mode in which the disease arose,—its duration,—and its slow or rapid, its interrupted or uniform progress,—the number and degree of the symptoms present,—and the effects already produced. But slightest symptoms alarming, where hereditary tendency traceable.—Has been sometimes removed? By supervening insanity, or typhus fever; and is often suspended by pregnancy:—instances of these.
 - 438. THE TREATMENT OF PHTHISIS will depend

1,32 ho lowered Phthisis the can be ognother reserve when the absent busts he expectorates Pas expended who that more mattives expectoration and in me withoutin tan in another thus if the lays down for vous hours in aid troubled, but on airing who experious expections in toker blace, the Patient lengs en cir a the order the oyung tous of the Caturbal formers received to backen this and aspre expectenation of timous news me, the Patient will be able to expend his lings My on drewing in aire, and can be egently without the order, Juneally dies from this coperorison pecasalon antimes there is Descende at the heings -The dalucular Catheris is very wise drived with alterthe · Pulse orlion lefs there woo, fough Dyspace at light, little, tearing and carassing fough, amitices liverever one, object expedication sometimes ringed with flood, plets, perspiration, fair produced, by legging in the de affectio, and by decening in the Breakto, also difficulty expending the hours. The Catarrhal for insummer and er our enthol than the thank, sometimes were and amardies, it processary by after Les torestion, a care elater Mens Speine esco frish three sur alle for and thing of higher Moreo ti, wond or when the sur of and south of the flow flows, The Subers leve form will sometimes afficer befine say to remodies yet wesenerales for I the Pulse rumain There will be unabelities of englanding the heart 436. From Catarato, by the bough which is drew and attended ith aringing or and astalisangs housever but the coverests now the Sanker will generally allows to dacide a to the Potent from bonnies by the for the being hist die afternation the Potent fredwally. For the for when on the from the former for the side 37. Subcecular Phthisis ormetimes removed many Lears frait terminates in Death.

1.33, Suberiles do with affear tota Glandular, bec descripe Bally are Journed in the Cellecture otile they must be or for how could thinkles form in the unidete were it otherwise? 4,3% Sometimes the Chillenge for returns in this midd atte det felt; show the twenting stage comes on it do juneally excuests the Catient. in morganie of the histotion freduced by log the owing to Solidite particed by long continued Dison forcer often that Found who there It brought in by to such ling their This is a way by hypion que de to Attendantes the dy tem that they knower. 1, 35 Je going's and of assentaining whither the effection too pieces of looking that them to a list and Can't lente floopened Cooking that them to a list and Can't changed cheeve saffered astonio with the fairle in the heiddle, king hard the free and entidered & g. There dive a life bright - with decide, in the hope the Rebeneuler form Herricalistica large quanto and of the Disease how winter a loop thing it will ent an ampleasant odour On a stating Pow in water it becomes floreclear, not so mucus whech armenno frees-When the expectoration is of an ash colour there is generally considerable disease in the hengs, which will prove face 436 Contraction soi Petricis hought into action by fathangs. b. mone pregnantly however we find that there are noveral bornica in the large and it terminates in In this : Hefat the houge are only affected from Bustation the forthe ation conditions the thick esty burners constituted the Patent arite with guine one blood, at the same time the Patent with inde to tow to.

a. In serfhulous Habits, where there are prequent stight attacks of hefland the insertion of an fore will be unful. 6. Fredome ver gove the hugher huxtions with yourse-Esti in Polices with freed advantage. In the record theje The has seen the legeth with Orthistic and weeful.
There are also begins and Isher with the Saline & Showing sunders of alkali. Journ of Devotor wile be a useful Bitter. wie water Mille will frequently check Dawhers. the Hestire gases batton. On histories mentioned of the prod that it the change from a shore tou generous with the Tatient heroing accompletely recovered, but there is grey given coursinal beflow taking place, nanced instability we. considered by the line of the line or to a water survey of the sound the lighten than bows and extension survey based having the sound and extension survey based barries the survey of the survey of the survey to the survey to the survey of From - B- of handester are our unds Ljoined wh lite. Howevery be given with steel his thruly - cores of Cumerowhan som occurring in Phothescal Vi The her fever it in bouncal M. pried with But in the This Dopenth anexact of althali. Muntheringen mitalin in the Boroles the Lichen quiel betither.

we when there is no hered tay tendences and Napon. seres the batarchel form, on when we have reason to expect that there is Discuse in the Lungs, as bourea, Blootletting should centerally be kend recordine to; but in Persons pred in - from d to it workered only indervecasional small Blading The late & Lang of diver hood stated, that a senal quantity of the ford to the word of from himself be obligation, and lettery he that its being frequently repeated heft off the Diseas for some time. It be thanks local Obliding preferable in Islinar outjects; Does Cupping how been ac countrieseded where besconto our be confloyed or Blood heats trailed locally-In the Catarchal form Deaph: Allefies will be whenely useful bringan has lately been brought into bettie it is giving in the for loss of home of thingan 3/ as Biijfo Secolo go. buflish with alle When there is a hot of Dryskin & much thirst in shale grundly has sisappointed if we apply a Pliston. The form of a Druministering the B. The Reference well to the best form of a Druministering the Distalis The Paufsie Ucid has lately been brought into Photies it cut foresenfully on the Heart & terteries, Introver and appetite the superior to Distalis; Theortes may be five in in man Joses aired in the the develorer. Center & Hyore, when they a sufficient to about or matation will be preferable to Grates as They so with succourse Constitution. Sunsafrancies may be Breathing an air on found of Panant of They drope to 15 of Content their line has been treed with miceess; to the will before aleifs. when There is any France alongs the Chest inhabit the bufrour of attitude with boundal. Then there is cousin wall hutation alticated with olight hofland Opinion in the form of the Est or Lynn f of Carbonic aid far being a foreiful ordative many be employed advantageously? I be often find thet during the progress of Mithises that fish and the fresh significant attents the there and Patrick, are often herafied with a trewing Franker.

much upon the nature of the predisposing and exciting causes, and the particular form which the disease puts on (432);—but especially upon its being—(a.) accompanied with considerable inflammatory irritation,—or—(b.) marked by great general loss of power (117, 137, 252-4).—The chief indications, therefore, are—

- A. To diminish inflammatory action,—By Occasional small bleedings?—cupping,—leeches;—dry cupping;—Blisters;—issues;—setons.—Refrigerents—Nitre?—Crystals of Tartar;—Acids;—Infus. Rosæ cum Sulphate Sodæ vel Magnesiæ.
- B. To lessen irritability both local and general;—by Digitalis:—Acetas Plumbi?—Opiates;—what kinds best,—most effectual modes of administering them.—Cicuta.—Hyoscyamus:—Sarsaparilla.—Breathing different kinds of factitious or modified air.—Inhaling vapour of warm water,—Æther, &c.
- C. At the same time, to support or increase power, as far as is consistent with the two preceding indications:

 —by Mild tonic bitters;—Myrrh; Lichen Islandicus;—Lime Water and Milk, &c.—Light and nourishing diet, adapted to the patient's digestive powers; but, in general, consisting chiefly of ripe saccharine or subacid fruits, and other vegetable matters, joined with Milk:—Varieties of Milk, and its preparations:—Ass's milk—Cow's milk butter-milk; Goat's-milk whey; Koumiss.—Bristol Water?
 - D. Throughout the progress of the treatment,—to check all urgent symptoms,—and to obviate as far as practicable, such of the exciting causes as may still continue to act.
 - 439. Modifications of treatment especially necessary under particular forms of the disease.—Remarks on certain remedies occasionally employed; and inquiry into

the nature of the case, and their probable modus operandi, when beneficial;—Mercury;—Petroleum and its Oil;—Bals. Copaibæ,—Mecca Balsam;—Tar Water;—inhaling resinous fumes;—Cinchona;—Emetics;—Sulphur,—Sulphuretum Potassæ, &c.

440. Means proper for checking colliquative sweats and diarrhea;—for correcting the fætor of the expecto-

ration, &c.

441. Remarks—On the choice of climate and situation;—On various modes of exercise;—riding on horse-back?—easy carriage;—sailing;—swinging;—rotatory machine;—On the most proper cloathing;—regulation of sleep;—amusements, &c.

OF THE EXANTHEMATA,

OR FEVERS WITH CHARACTERISTIC ERUPTION.

General observations on eruptive Febrile Diseases.

OF MEASLES.

442. Synonyma,—Morbilli; Rubeola.

but once during life,—ushered in by sneezing,—swelling, redness, and watering of the eyes,—flushed and turgid countenance,—drowsiness,—and frequent hoarse dry cough,—accompanied with fever, that is, throughout, of the synocha kind (175-6) —on the fourth or fifth day, the skin—more especially of the face, neck, breast, and trunk, appears thickly beset with small red spots, scarcely elevated, running into clusters, and at the end of three days, going off in small branny scales,—often leaving behind a troublesome diarrhæa,—or considerable pneumonic affection, cough, and symptomatic fever.

444. PREDISPOSING CAUSES,—a susceptibility to

339. When there is an accumulation in the Brown tial celes, Sunties with five coursed methorities A Read hero given Hum in Mufaturt Oh. Three tries Much with advantage, also occasionably in this one as I Huberculan the the hulf of Line of frea with he the head busties. It'so. The best medicine for cheeking the coll sweets is the deluted fulfh. And where there is no turdency to Dearshow, Selected fulfil. Ucid where there es is the some will force in the some will force in the some will force in from the some the some the prist before and privary him some some south the Branche a will the force of the Er outher a will the franche of the hours of the force of the following the force of the hours of the hours of the hours of the following the following the hours of the hours of the following th in the form of the Letza a Loda heiter, the receives beines have When an alread of the Lever Cherater is to the lease of the later will nexuefrior and very difficult to correct. The Sile to literalied whole Westibited. I Home states that inhaling the factorie Cein few has been soful in corrections the factor, be also mentions that when In Patient has a troublesome Drawber that the Stack Freith with the worfeel. 443 the Catient formetimes conflains of newscan 200 thus his will distinguish it from connected. 143. Men it appears as an Epidemie the Fever in a compa-ied with Prostration of Strapth and africas the Typhois form. the twee is not mitigated on the disappearance of the Suftim do in Jual Par, but on the contrary june also agravated.

439. In the Cationshal form then the Patrick is surling under the Mrims wheetoration, the Bout with he a remardy of entially crosful; and Thomany he from the bounceal form war question inthe the Juline Ich but in the Juter collar the Anever excess as it produces thethir across the Chist of Dysperson - When we ried the connected with dufation derangenent or disorder of the Boweles merenny will be proper, also Musiconnected with a Sylla lite land, but it was the who to to with courtin. Lett The worth air the Patrick is that in Sheet it commence The Olamato best suited for Pusar, in this Disease is that in Suich there is the least kaupe of Thermoneter such as Malta Peny anegund hastings. by denham strongly become ded airing on house back, this is police by latin Physice and . Iwanging will be forend to Copin the Palse and is estimily inequal where the Paties 6 Country to the few bearing failing or bour a boyage. Patrick ought not to be subjection Bed. Alleuthermentic and that the Patient should take as long fourneys as funder advantages. hopible. At that house operacies may be ero eful in the Catarhal four of Mithiers, dahun the Bowelware, I wondered; but ading in an open comings is the species bed out & Bothis sical Patients. Theo heen he commended by Mer Herry Fryst. & Sparge the theo built bringer thated as he found filed benefit airs familia himself but a Brother of the tried it without do not pure the doantage but when their soney wed hough of the before about the theat 82 their Dancey be advantageous, lealing consider the shower tools Bath worful.



How from latanh by the energing borowing on the fourth Day, and in general recon one eging borowings.

Firm Secontation by the Scapetists being left flowed, and heigh aired about the king and and affecting or own, the flush at the check is Jachen, he send. There is overly the dress Atte facces; he Ruberla the Pever is Lynoches, in Searlatithis y doe the period at which there please makes its winpreviouse, for it has been of served that when it or heart Milletale, the Disease has fine alle been sever ... 449. A Whas been asked Shether it may not be done (afthered) affering, but it is a new of we went be Wilmonse Offection. The may begin in the B. But the best prevention is heefing the Bowell's no fue Lucy for and the Catrait wood lately waren. proquently there is an alternate determination to the Boardes themes houtlesome, and the Pulse is hard stang to well be weeren any in Robert is hard to be the selection weeren any in Robert Ratito, if well Digitalis, if uncommission with her due so After Pulse the Openter wie he frasper. Phthisis is sometimes connected with the as his and in Soroph heabits the insertion of our There will be no ofal an quand in against this timese.

the specific contagion, almost universal under puberty, but gradually diminishing afterwards; and perhaps always greatest in sanguineous, irritable, and plethoric habits.—Spring and Summer season.

- 445. ESSENTIAL EXCITING CAUSE;—the application of the specific Contagion, most probably in the state of vapour.
- 446. DIAGNOSIS.—Distinguished from Catarrh by the eruption;—from Scarlatina by the character of the efflorescence,—the state of the fauces,—the prevailing epidemic,—or tracing the contagion,—the form of the fever, &c.
- 447. Prognosis,—To be drawn from—the general event of the disease;—the violence of the febrile state;—but, especially, from the degree of the pneumonic symptoms,—with the previous delicacy of the patient, and tendency to pulmonary complaints.
- 448. Account of the attempts to produce a milder disease by inoculation.
- 449. The Treatment of Measles must be regulated by—the inflammatory form of the disease,—its specific nature as to duration,—and the particular urgent symptoms which arise in certain stages of it.—The chief indications are—A. To moderate the violence of the general febrile state;—by Venesection?—gentle laxatives;—moderately cool air;—vegetable diet;—cooling sub-acid diluents:—B. To prevent or check any unusual determination to the lungs, intestines, or brain, in the progress of the disease,—by general bloodletting;—leeches to the chest, abdomen, or head;—blisters to the same parts;—mild antimonial diaphoretics:—C. To guard against the bad consequences which often result from Measles,—By Opiates;—Digitalis;—

Perpetual blisters, issues, or setons;—mild atmosphere,

—Ass's milk, &c.

450. Question concerning the propriety of early general bloodletting,—Remarks on the hazard of treating the diarrhœa by astringents and opiates;—and a different mode, founded on the nature of the disease, pointed out. Bad consequences resulting from the sudden or long continued application of cold;—and means of removing them.

451. Account of the typhoid or putrid type which Measles have been sometimes observed to assume;—and the treatment proper under such circumstances.

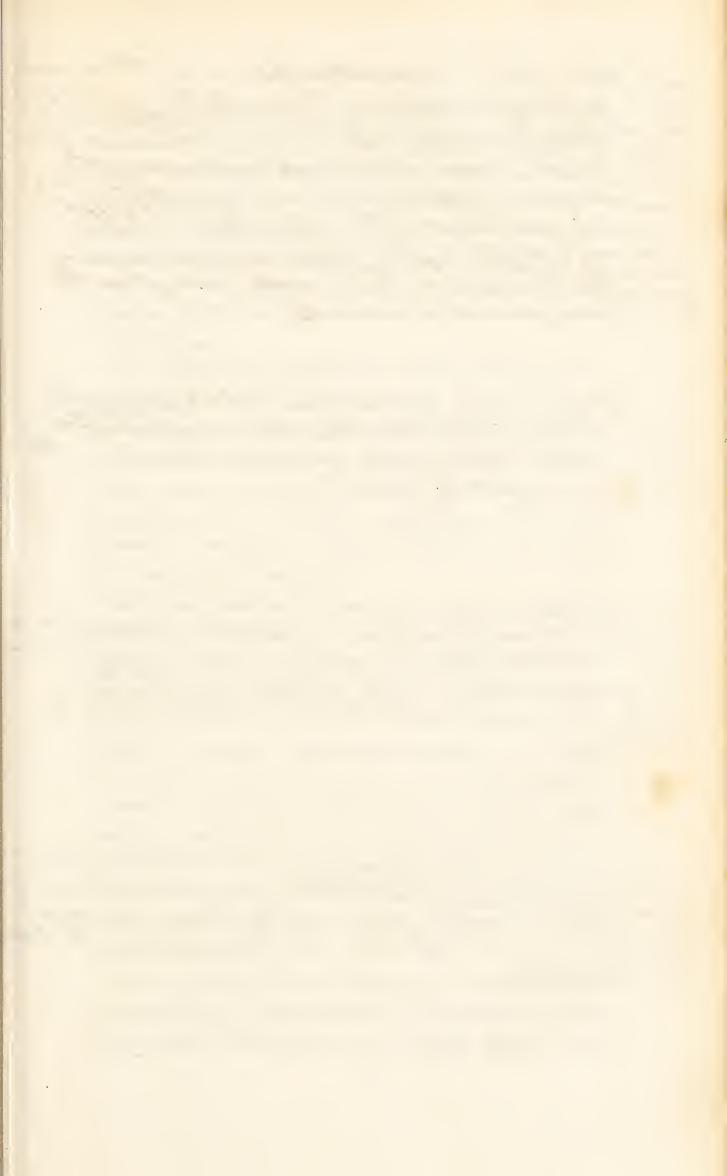
OF SMALL POX.

452. Syn. Variola of authors. — Fr. La petite Verole.

453. CHARACTER. A highly contagious eruptive fever,—occurring but once during life;—commencing with languor,—drowsiness,—pyrexia,—pain of the head and loins;—vomiting,—and soreness of the stomach on pressure:—on the third day generally, there appear, first on the face, and successively on the inferior parts until the fifth—small red spots, gradually rising into pimples, which fill with puriform matter, afterwards dry into hard scabs, and, on falling off, frequently leave pits or marks in the skin.

454. Division of Small Pox into the tonic and atonic forms, or into—A. the Distinct—having few, detached, circular, and turgid pustules, with rose-coloured bases, accompanied by fever of the synocha type, abating considerably on the eruption taking place, and going off almost entirely on its completion:—And into—B. the Confluent—shewn by—more violent and typhoid py-

450. bedond find It is always necessary, tutier Inliand plethone Rubits we must be accounte When the Dranhaw is not very feed him we many course For as hatoris ande of carries soft the Conflaint. A shew it exclines for a loss time and freed ween peal with tim of theight, astright to the hits will be wells. my, and then they do undonecsed A is formally Limeter with insipient thesenteric Disease, Holmen ing above where it continued twelve months after breas all done of Surrend and keeping and the then the tay its forces, and a will forcerous Diet & When it attack att the Dissuses of the theat tuting away a venale quantity of When the tastasis has intimpiere were from the my restructed of Lote, the warm buth. Of sewrie we the where ries. a good adjuvent is the occasional use of the warm Butto. Then Delinium takes place we am I apply keeches Vesto Istins to the bread, spice Porjatives & Diaphoreties. 153 bon true only occurs in adults are primary gu Atom The shots are usually surrounded by an accolor, and by generally appear white before they sufferent which commonly on threighthe ay. and his the Sage while in concases until the 11th deer but then boiles that the hands the best in the france is generally boiles that the hands the column have faither the stands the hands the hands the fair on the one will distinguish it from even auch attents of Jobo I non hear he occur a son Phidemin, the fiver of a control of the displacement of the displacement of the state of Plethonis blanks, as here there is any Premiories affections are companied with tightief, early the Chest of Dyspenda, than the Saile be highly beneficial. When the Disease a pourse the father thanks with the present of annewing, Complete the thinks with the proceed to the Potester of the form to be a son the second and with this top the local to Break the Baits, are companied with this top the local to the bis construction of the process of the second the second to the best of the bis construction of the process of the best of perfect orderes . but Deb. prefers five bries bries & Ferra-- Culing Brufametics Laguerous Dist.



List the Conflicent form the Pastalisane irrega. Lar at their Bases, frist flattened and afterwards holow in their middle; they are also howevery too of being yellow, the second cury poercomes on the choice the Day - Phyalism hund become our of an infavolable ognifition, overtimes Peterhea On the eleventhe Day the Symptoms become more of gravated, & This from this time to the 14x day that the Patients are generally carried of. 455 the bariol light is the frem Nech pregally occurs at the second attents on that which occurs baccation; the Parties do red maturation the eight Day, but fall off in scales. 456 " Sometimes convulsion tits which generally sub: not when the emplier appears, Spilepter hit sometime ocen in adults wheil amost be assidered daspease The ognificour ligher when the Vustrily visiontel. The lyleds ormetimes appear the a shining inflated Bladder. caraies of the Patient, sometimes conflict attack of how occurs, if there is much Bys paca, it is a significant that the hungs are affected. The Bowells should be keep, Spen at this time.

rexia,—generally with coma and delirium;—followed by an earlier eruption (often with erysipelatose appearance) of numerous, small, flaccid pustules,—running together, and containing a thin serous fluid, or brownish ichor;—the fever abating but little on the commencement, and often increasing considerably on the termination of the eruption;—and attended with more severe ptyalism and affection of the fauces,—or instead of them, in infants, with diarrhæa.

- 455. Other denominations of—mild and benign,—or putrid and malignant,—accordingly as the symptoms are moderate,—or as they are attended with hæmorrhage,—petechiæ,—bloody urine,—and other marks of a highly atonic and septic state.—Occasional varieties—e. gr. crystalline pock. (Variola crystallina, Mead and Sauvages.)—warty (V. verrucosa, M. and S.)—bloody (V. sanguinea, Mead.), &c.
- periods of the disease, e. g.—in adults, tendency to sweating during the primary fever, especially at the time of eruption;—in infants, epileptic fits about the same period;—Fifth day, pustules begin to vesicate.—On the eighth, if eruption numerous,—swelling of the face, closing of the eyes, inflammation of the fauces, and discharge of viscid saliva.—Eleventh day—pustules at their height;—swelling of the face, affection of the fauces, and ptyalism subside,—and are followed by tumefaction of the hands and feet, which goes off as the pustules maturate.—Secondary fever—coming on when suppurative process completed.
 - 457. PREDISPOSING CAUSES;—A seminium, or susceptibility of being affected by the specific Exciting Cause, (458) which very few are entirely without,—and

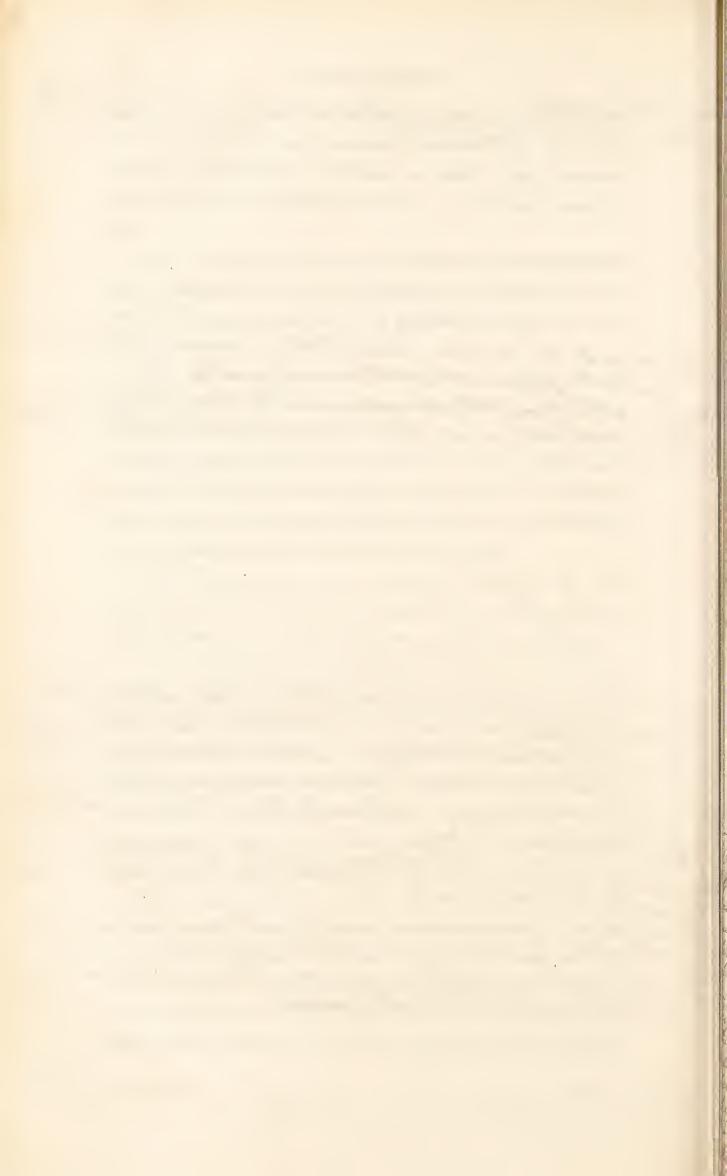
though varying greatly in individuals, yet most considerable in early life, and probably increased by whatever excites inflammatory diathesis, as—full living,—particular epidemic constitution of the air,—certain seasons, &c.

- 458. EXCITING CAUSE,—The peculiar and specific virus multiplied during the disease, and applied to a susceptible person, either in a palpable form, or in a state of vapour:—proofs of this.
- 459. Advantages of inoculated over casual Small Pox.—Causes assigned for this,—choice of patient's age, and state of health;—season of the year;—preparation;—early management of the disease;—quality of the matter used?—quantity introduced?—Remarks on each of these heads;—with precautions necessary to the success of the operation, and security of the patient.
- 460. Phenomena of the disease explained on the commonly received humoral pathology.—Objections to this pointed out;—and a different explanation offered.
- 461. DIAGNOSIS.—Difficulty sometimes of distinguishing Small Pox from other febrile diseases, in the early stage of the disease;—circumstances requiring attention for this purpose, e. gr. prevailing epidemic,—ascertained exposure,—probable communication, &c.—Occasional concurrence of Small Pox and Measles: consequences of this.—Marks whereby to distinguish Small Pox from Chicken Pox (467-8).
- 462. Prognosis.—The disease generally most severe in adults,—in plethoric, irritable persons,—and in scrophulous habits:—probable causes of this.—The danger usually in proportion to—the quantity of eruption,—its confluence,—and, to the degree and kind of pyrexia which attends (B. 454).—Symptoms that forebode

Journes a severe form. :59 Journeds the latter heart of the thring is the venous Enjoy attention to the Bowells, and huping the Charles on sphere dich, will generally ensure a with form of this assesse. Lib! hwile be distinguished from Pacesteo by the Catarbal oyou trus being wantup wheels woundly where in this test disease, and in Cartalines Five our affection of the She ont occurrence at the commencement whereas in Small Part to over and ence The second how with Head & small of the buch with with wearther the thing Exam-If male Port hearth occur hogether we greenaily.

in that the latter with overtake the former drive.

is its course, and afterwards the former with make of appearance you their its course. 62 Subireus with generally be violent if their



163. le Solution en Santan ozar le lunary is du best Institution of Calouel & furtained andersony as "eng the preferable recode of extilitation outer vinals In stone & plather is habit, when there is rundle diver and kied of their, it will be acteried by the edt affection 464 Wien convento consoneur after the Enthumps we sindrona, if in a Methoric Sentoil aut blud localle "thoughtion does allear five thim lating Scaffe" Dattend tothe Powells . When they Hatten seve Could in Astimulants - When there is a peral accommunitive Suntion the Patient is restless and there is nothing wenting it a full done of theirs will be proper, but if we is any enger tion about the head we seems think en take place if the Boarded are and offen we must eye - Lyderham recommended on ale dones of falou I his favounto receide Paragonie- when it als usues reflacted form. bo. but it is sold our if were of to blice this frecion, we must pererally rely on Jurging of the she in the attention is casual and affer the Hyphord

4 62 houbloomer affection of the lyes, cometimes 462 Athisis, Subies Presentinia, Glandalin Enlargements, or complainten the their are Attel the result of this Disease -463. a. Where the twee denstis an action inflant theto, or in note of the thore constitutions, I dwell be nece francy, but it must not be carried to any The combination of flowed Dentiniony is the best Pargative creca employ, B. Humlating Draph will be preferable to linkous previous totte a atmostino of the Partules. trudency the riveral allos, in the form of Refer , Rosa of third's are branchers; when the infiling is grand Contoning acid takewarde the Hoterack in the brisk for enenty begins proves a posserful Stimulant. Justa. Similio we energy five ig al freety of Uniterior & The care brine, & a o a Burgative Colour & with Phision Collotock. When the Discoure aprecies the hertico form, a decel give the months whater aims dies as law plin ather Scafe guerous nature. Men there is an inhealthy stude of Bowells accompany with hamonhage, the build bulft Down the hefres. Area & the quarted witto of more wile the best annely And he our great advantage derived from it, 464 Mucouncetto with affect of the theoret, Blisters will be prespend in by any own two is ushered in by any own this enter the fless we can paint with Diourteen which a leives the other squiptions hat if I be violent we amist an oberato it by priving frish a little fallowed of thingsto by a strugged to this was in the former of thingsto by a strugged to this was the former of thingsto by a strugged to the same of thingsto by the structure of thingsto by the structure of thingsto by the same of this structure. a confluent eruption.—General bad signs;—fever continuing high after eruption complete, especially with delirium, coma, &c.—pustules ceasing to fill, or flattening;—their having a pale or livid disc;—intermediate erysipelas, or petechiæ:—sudden subsiding of the ptyalism and swelling of the face, without consequent tumefaction of the hands and feet;—hæmorrhage from the nose, intestines, &c.—Danger from subsequent complaints.

- 463. THE TREATMENT OF SMALL POX necessarily very different, not only from the general tonic or atonic form it assumes,—but from the changes that take place in the successive stages of-primary fever,eruption, -maturation, -and secondary fever; -and the urgency of particular symptoms in individual cases.— The general indications, however, are—A. In the tonic form, to moderate the violence of inflammatory state by -Venesection; -purging; -vomiting: -antimonials; application of cold air,—cold affusion;—vegetable diet; -cooling subacid drink; -Nitre? &c.-B. In the atonic form, to remove irritation from the primæ viæ by gently emptying the stomach and intestines;—and afterwards to support the power of the system, and prevent or correct the septic tendency,—by the use of Cinchona, Angustura, &c .- vegetable and mineral acids; - Wine; - Camphor; - Opiates; - warm diaphoretics; - fomentations; -blisters; -brisk fermenting liquors; -Carbonic Acid glysters; &c. &c.
- 464. Management necessary under urgent symptoms—e. gr. when convulsions occur;—when the eruption does not appear;—when the pustules flatten;—when the affection of the throat, and the difficulty of swallowing and breathing are very great;—when the patient is sleep-

less, or troubled with cough;—when the secondary fever takes place.

465. Of the means recommended for preserving the eyes from injury, and lessening or preventing the deformity of pits, seams, &c.

466. Diet and regimen proper after violent Small Pox, to guard against the consequences that often follow.

OF THE CHICKEN POX.

- 467. Synonyma.—Varicella, Cull.—Variola Pusilla, Heberden:—bastard, Chicken, or Swine Pox.
- 468. CHARACTER;—A specifically contagious eruptive disease, occurring but once during life, and communicable by inoculation:—febricula of the synocha kind, followed by few and scattered pustules like Small Pox, which vesicate at top, then dry into crusts without suppurating, and rarely leave any marks behind.
- 469. This disease so slight in general, as not to require medical treatment; and only demanding particular attention from its resemblance to Small Pox, whereby it has often misled into a false security, from the belief of a person having had that disorder in a mild form, either casually, or by inoculation.

OF THE VACCIOLA, OR COW-POCK.

- 470. Syn. Cow-pock, Gloucestershire;—Pap-pock, Norfolk;—Shinagh, Ireland:—Kine-pock, America;—Vaccine disease:—Vacciola.
- 471. CHARACTER;—A specific, febrile (?) disease, —occurring but once during life,—communicable with

465 It has been recommended to exact the Eges with Water Portice preferable, and if there flows of the Egeto To provide the Pets remaining after the Empleir, Awile is brok to Spen the Pastules chily, some apply Bent? have the parts was hid with builk & trateriorth this view, or mois. Bet then they four in the Comma there is farmally a. 460- & Heberden states that the Purtules soldenexted 469 h Phitoren of a fall Habit it wilste needs ary

hasticularly in adult, it will be wight to take away a omale growthy of Blood.

Men there is any landency to Got this is a Glandalar Enlanguement, the inscrition of an June will be the best have waters.



Light, there are slight bebuild ogen fitting, lof of apetitio de - On the 4th Duy the Purtulo is four lines in diameter, on the o'loudrounded by a red areda, on the 10 th flat, outerines drives on the readle, on the 12 begins to from Jack Decline, and or the 20th autirily Disappears leaving a permanent cienting. 472 8 is of Spinion that this is a disease originar try from the arrival from Mune It tothers the name with from the press of houses heels. 473. It has been found that out of 8200 who were inventanted for their Discusse only 1 Did. these the for Pox. He Patinh be vereinate She the O. Dis already in the emstitutions its relieve to the the latter Dick Hougearly happins that any entition to the flux at any Munfish beside that which received the hatter tion cases however convenient Munich was otherwise, 473 The imperfect Purtile will be a comind als hafus, dit runs the its course que there, The offerences is asther is so vivid as in the true pers tuto, it is also haved at its base, it entirely were not clear but of age Au Built test fewer titutional affection is to care culate the fatient account time on the with Day, and of the time Disease with, the Purtulo from the mind insculation will arrive at anaturity as soon as the other An Pearson vous that if you received on the y "Day that the frustile wiledie away often the efflorescence Father place.

certainty only by inoculation with the peculiar lymph, which produces a single, flattish, circular, spongy pustule, of a pale bluish-white colour,—gradually spreading for some days, and becoming surrounded with a red areola;—the centre first, and progressively the whole pustule, changing to a dark coloured hard eschar; that dries into a concave shining scab, and on falling off leaves a slight mark upon the skin.

- 472. Historical account of the disease;—and Dr. Jenner's claim to the invaluable discovery of its being A certain, easy, and universally practicable preventative of Small Pox, vindicated.—Question respecting the original source of Vacciola, being equine or vaccine, discussed;—and the improbability of the former opinion shewn, both from analogy, and the result of numerous experiments.
- 473. Comparison of Small Pox with Vacciola, in the severity of the two diseases, -- and the consequences resulting from them, as introducing new or bringing forth latent disorders.—Comparative rapidity of progress in the action of variolous and vacciolous virus; and practical deduction from thence.—Possibility of accidental commixture in the infection, or casual concurrence of the two diseases, illustrated by cases; and explaining the discordant opinions at first entertained respecting the phenomena proper to Vacciola.—Remarks on the Spurious Pustule,—its character,—the mode in which it is produced,—and the mischief which may eventually ensue from it.—Source of the doubts as to the future security against Small Pox by vaccination; and circumstances which, if duly adverted to, will tend to resolve this difficulty.—Proposed test of constitutional affection.
 - 474. Cautions necessary to ensure the success of ino-

culation, with respect to—the date and condition of the pustule from which the matter is taken,—the mode of preserving the infection,—the state of the patient's health,—the method of inserting the matter, &c.

475. Account of the appearances which the inoculated part occasionally assumes,—the alarm which these at first created, and the active steps taken in consequence;—together with the simple treatment alone required for

their removal.

OF ERYSIPELAS.

476. Syn. Egvθημα, Hipp.—Ignis sacer;—St. An-

thony's Fire;—the Rose;—Shingles.

477. CHARACTER:—A shining redness of the skin, of a florid, yellowish, or crimson hue,—becoming white on pressure, but returning immediately after;—attended with burning pain;—extending or changing place irregularly, and often occupying a large surface;—commonly going into numerous watery pimples or vescicles, which oftenest terminate in resolution and meally desquammation, occasionally in suppuration, and not unfrequently in gangrene. The attack is usually preceded, accompanied, or followed, by Synochus pyrexia, and this commonly attended with drowsiness, and frequently with stupor, and low delirium. (Typhomania.)

478. Erysipelas differently denominated by authors, as affecting particular parts, e. gr. the face and head, Sideratio, — the trunk of the body, $Z_{\omega\varsigma\tau\eta\varrho}$, Zona, Shingles;—the extremities, Rosa, (Sennert).—It occasionally extends to, or attacks, the brain, fauces, œsophagus, or intestines,—producing symptoms of phrenitis, coma, &c.—or of angina (A. erysipelacea),—of gas-

474 The matter should ned be taken after the health a eleventh Day, wetter should it tedeluted, Reatales estroys its fusherties, and the house our which it is The should be perfectly clean; come more the taken Ato beach the Pustule when it appears . The Discour ill not tute place if there is any other withing in At to produce Blood the matter come the to take face, arigular lies extractor down theire his. When sufferation takes place, the Purchail former is selsom healthy of 14.0.21 Days Int general. Sometimes it entimes for y 14.0.21 Days Int general. I would level sorto sorto. To the Deliniew which occurs is considered by retastasio.

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tritis (G. erythematica—) or of Enteritis (E. erythematica—).

- 479. Distinguished also as being—A. acute, or—B chronic;—C. superficial and spreading (Erys. phlyctenodes, Cul.), or—D. more deep seated and fixed (E. phlegmonodes, Cul.—Anthrax?);—as—E. primary, or—F. symptomatic;—as G. merely topical, or—H. attended with its peculiar fever, (Febris erysipelatosa,—Sydenh.) or—I. supervening upon fever of any other kind.
- 480. Account of an Epidemic Erysipelas attacking the abdomen of new-born children.
- 481. ESSENTIAL CHARACTER OF ERYSIPELATOUS INFLAMMATION, contrasted with that of the simply Phlegmonous, in—its appearance,—the parts it attacks,—its migratory progress,—metastatic tendency,—and most frequent terminations.—Occasional mixture of the two (C.—D. 479);—and important distinction of Erysipelas, as partaking more or less of the atonic form, and as being attended by, or free from, a corresponding pyrexia.
- 482. Humoral pathology of the disease discussed; and inquiry how far the inflammation may arise from a combination of certain principles, analogous to the process of combustion.
- 483. PREDISPOSING CAUSES; Peculiarity of constitution or habit,—depending chiefly, perhaps, on certain original structure or acquired condition of skin;—but often evidently associated with irritability both of body and mind,—with gross habit,—indolence,—and full living,—advanced age,—and habitual excess in spiritous liquors; with particular state of the hepatic function:—

Autumnal and Summer season.—Hydropic diathesis.—Preceding attacks of the same disease.

to the scorching rays of the sun, especially under violent exercise;—occasional excess in spiritous or acescent fermented liquors;—certain articles of food and drink particularly affecting individuals:—Mercurial irritation;—various acrid applications, e. gr. Cantharides, Mustard, Ammonia, Euphorbium, &c.—stings or bites of venomous insects;—puncture of leech in some persons;—burns, and scalds;—contused or lacerated wounds, especially in tendinous, ligamentous, and membranous parts;—fits of anger?—sudden refrigeration when overheated;—stopping customary discharges from issues, &c. or repressing chronic eruptions:—Epidemic influence of atmosphere:—peculiar contagion?—Remarks on these.

485. DIAGNOSIS. - Circumstances distinguishing

Erysipelas from other cutaneous inflammations.

486. PROGNOSIS.—To be drawn from a collective view of the patient's age, previous health, and mode of living, &c.—the nature and degree of the exciting cause; —the part affected;—the disease being merely topical, or—accompanied with inflammatory or typhoid fever, delirium, coma, &c.—its tendency to metastasis,—and its common disposition to gangrene.

487. TREATMENT necessarily varies in several respects according to the circumstances of the case; but chiefly turns upon the *more* or *less* atonic type of the disease, both ocally and generally. The principal indications

then are

A. To lessen Inflammatory Action, whether local or universal, by the antiphlogistic plan, carried as far as the

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a. Suctices will be extremely unful in the commence much Lewerally a large quantity of Bilis hought from the wis much broken if Diskaly of green Bile how the hitestices, omale consof faloust with spieres of halk wile be any benefing. When there is annot sickness that the bility of the Mornach to Me there is annot sickness that the the Mornach te application of a Blister over this Befair wile generally The langhorated sprint of there will be a worfeel of the Control then there is any tendency & Gargarese the lie Humb. but D. will be formed to have time the of the dervice able before the Cocieles burst even the plication offold water well be advantagens. in into a Mato off as price, the wind to dry estern Ato Pg. Hickory isthan round the vescin, And Ford tender ently a onceasion of these, outlities, beginning many wine and the sign of Hazzer he to the so me say were the wine the form of the sound this Dineroneonement outporting the yotens terretive deroco of nevery, ales the Becother ofthoods

a. Tin young Persons of Mithoric Constitutiones and in the country it is often necessary to en play the Land, the quientity to her severes don't be duchas to brup A equal to the hower which is to concellato it becker one constitues acquisito when there is congrotion in any organ, also fuffin flaters - the Saline Pagetwee wile be people derry the higher stage, but when itahumes theatocas form folouse their white preferable. Ithe after cognificous continue the Rutinomial Grafte many be pives, bellin of Persons B. When there is freak determination to the dead and og: phomenia course on early, a Blister should be applied to the rafe of the best . When there is no engestion in the Bruin acution Delerum or one doses of them will be unful. Lo allay Initation on the Stownache the efferver any Distring begin with opinion. 1. down the Pubert application wil he water on the a sanale Encentitio of Verry any-When the besides break to prevent the Discharge conic buting the skin Pipe day a lowow Rook may be of kinkled on the port. 400 June the hireau occurer in large dreams and Hor-Litiels this generally Epidemie and wherever the Syphoid by he astocke as in the formal is it is column ? in the active form. The georater Fielase covering aprimes the active character,

violence of the symptoms, and the strength of the patient may require, and as the acknowledged atonic character of the disease in general will safely admit;—by Venesection?—leeches;—purging;—what cathartics most proper;—by Nitre?—cooling diluents;—mild diaphoretics.

- B. To support Power, and thereby to prevent any rapid sinking or sudden metastasis from taking place, and to obviate their effects when they have occurred;—by Cinchona or other tonic bitters, either alone or joined with acids or alkalies;—by wine;—by the occasional use of certain purgatives;—by blisters,—stimulant fomentations,—warm diaphoretics, e. gr. Ammonia, Serpentaria, Confect. Opii, &c.—Cautions respecting Opiates under certain circumstances.
- C. To diminish local Irritation by applications to the inflamed part.—Remarks on the different and dissimilar articles recommended for this purpose; and on the circumstances to which they may be respectively adapted:—Liq. Plumbi Acetatis dilut.—Spt. Vini;—simple water;—Aq. Mephitica alcalina?—Liniment. Calcis;—Why oily or greasy applications in general aggravate the inflammation:—Simple dry warmth:—Pipe clay:—Starch, &c.
- 488. Remarks on the different treatment necessary according to the age,—constitution,—and habit of the patient;—as occurring in country places, or in large manufacturing towns;—in different seasons;—and as being sporadic,—or epidemic.
- 489. Is Pemphigus allied to Erysipelas?—Circumstances in which they agree;—others in which they differ.—General conclusion; with some particulars respecting Pemphigus not noticed by writers.

SCARLATINA ANGINOSA,

OR SCARLET FEVER, WITH SORE THROAT.

- 490. GENERAL CHARACTER.—A specifically contagious, and generally epidemic disease, occurring but once during life;—commonly attacking between ablactation and puberty; -- beginning with sudden prostration of strength, lassitude, and frequent chills, followed by continued, intense, and pungent heat of skin, - very quick small pulse, - sometimes vomiting, -generally head ach,—great restlessness, anxiety, and tendency to, or actual delirium; -the eyes are humid and red, -the countenance flushed, and face swelled, especially about the nostrils, lips, and lower jaw,—with painful stiffness and fulness extending round the throat and neck:the breath is unusually hot;—the respiration frequent, often difficult; - the voice guttural, and deglutition painful:—the internal fauces on examination appear very red, tumefied, and covered with whitish or ashcoloured sloughs, which occasionally degenerate into deep gangrenous ulcers, with discharge of fetid and corrosive ichor or sanies from the nose and mouth, accompanied with enlargement and frequent suppuration of the parotid and submaxillary glands, -otorrhœa, and temporary, or permanent deafness. Between the second and fourth day inclusively, the skin becomes more or less uniformly covered with a bright scarlet efflorescence, scarcely eminent,—changing after a few days to a dusky brown colour, with subsequent desquammation of the cuticle.—The patient, when convalescent, often suddenly attacked with dropsical swellings.
- 491. Variations in the state of the skin, tongue, urine, and bowels, in the different stages or forms of the

490. There is no intolerance official, shick wills sintinguis? It from Rubiola. to the Sant town fluthe Enfitienget the will form of the Discour the Lorgenis would with a white four the which the Papiles proteined Ain the madique and form it is could with a down by yellows. ust the Papilla also proteering this being a Diagresotte oyeng nothis Disease. When his croked in by Boundows & uting Agenciales tominates fatally in a few days.

off he Sheard me She offeresoure is very stight wider other concerns Friends it is considerable Dank coloned, orinteries affecting in large blotches, our consciously interies as welling in the rest of the original action as the second influenced by the violence of the emplion. The brief of some scenely attored but in the severe cases at print allowatery but or or terming dark or of a saffor colour, in toan lugar or a string to the entire of the entire of the order of the entire of the order. In the provider one many there is other order than the work of the order of the severe with the toward, the conclusion of the Diseases, sometimes in the work of the work of the control of the control

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494 he Pletherie Habets it is formally ushered in with severe of my lover, in teach his long this Drien we find the This of her trickents reflected. his commonly more occurrent this latter and of Ben. times Hegrenies of the time.

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disease.—Particular symptoms occasionally taking place in individuals, from idiosyncrasy, or accidental co-operation of other morbid causes;—and unnecessary multiplication of species thence made by authors.

492. Historical sketch of the disease as described by eminent writers, from an early period to the present time; with its variations at different times, and the probable causes of these;—tending to reconcile the dissimilar accounts given of it, particularly by Sydenham and Morton, and determine the identity of Scarlatina simplex, Scarlatina anginosa, and Angina maligna.

493. Question of its specifically contagious nature, and its occurrence but once during life discussed;—with the sentiments of Drs. Clarke, Withering, Currie, &c. upon these points; and importance of this question in respect to the hazard of individual exposure, and the

measures required for general security.

- 494. Causes.—Predisposing; a susceptibility to the peculiar contagion, which perhaps most adults possess in greater or less degree, but diminishing rapidly after puberty, and becoming nearly extinct in middle age.—Marks of constitution and habit which seem to dispose to aggravated degrees or particular forms of the disease.—Seasons, epidemic influences, and other extrinsic causes, giving similar tendency.—Exciting cause;—the Specific Contagion generated during the febrile state of the disease. Mode in which this has been supposed to act; and efficacy of certain means of cure deduced from thence.
- 495. DIAGNOSIS. Symptoms distinguishing the varieties of Scarlatina from Measles,—from the Purpura,—Erysipelas,—Urticaria,—Apthous Angina, &c.

496. Prognosis.—To be drawn, on the one hand,

other, from the degree of the Anginous affection,—and on both, from the general tonic or atonic form which the disease puts on; — but this greatly assisted by a consideration of the patient's age, constitution, and habit of body;—together with the general event of the reigning epidemic,—the period of the disorder,—and the effect of the treatment already employed:—and lastly, the chance of other diseases to which it frequently gives rise.

497. TREATMENT. Account of the opposite extremes inculcated from preconceived theory, and obstinately pursued by their respective abettors; and comparison of their usual results, with that of the varied plan adapted to the nature, duration, and general tendency of the disease, and the predominant type it assumes in the individual case; illustrated by proofs, shewing the mischief of confidence in reputed specifics.

the general febrile commotion with as little loss of power as may be, by—(a.) removing irritation from any morbid colluvies in the tract of the alimentary canal;—by Emetics,—Purgatives: remarks on the kinds of each most proper,—their common and individual modus operandi,—and the circumstances limiting or precluding their use:—(b.) abstracting any excess of heat, whether arising from pyrexia, or external temperature:—Cold affusion,—cold ablution,—particularly articles that may be employed in the latter mode: regulation of bed-clothes, and of atmospheric temperature:—(c.) restoring the cuticular transpiration by remedies acting on the stomach,—by mild diaphoretics,—tepid diluents:—(d.) diminishing the morbid irritabilty of the heart and arte-

ittacks tromen in the Presidence it and unfrequently invariably torminated feitable. 08. b. (. can si Com be had recorrese to - tolan lunte as muchly been forced a water received. I thethery very perital to them, be used freace out autous his Mushen junerally been followed, La jeves two in 24 hours in this Direce is wohened in by Billions Counting and cein sac fareties con seld on he had accourse in the mercage Willow & Bush, they were journed, ever of Journ to be inducial yatives are not advise able in they will the nather Doice with the Short of the Patient from the har office Actable of the property the following away the following and has advised Colours and the Possels a way much disordered fases here occurred in this Morhital. - Worlding & Paying of free Bile, when this is the lase & this y has reconstrued folome Kali Vitas lature. I tung of hiverhood has recommended told afference. allition is red or efficiency het it many be out to the they of Batto placed abbeild in wat theit and alcowed it mare there are till the heart were abouted bringer may De to the hater with which the Body is sporger and it befored monetratified - reather non

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ries to the stimulus of the blood,—by Digitalis,— Opiates?—or (e.) if necessary, lessening the stimulus of this fluid from its quantity, and perhaps quality,—by Venesection,—Leeches, &c.

- 499. B. In the more atonic and advanced stages of the disease, to support the power of the system, and to obviate the general septic tendency, or to correct the actually septic state of parts, by—(a.) light vegetable food,—diluted Vinous liquors:—(b.) the more simply tonic remedies;—Calumba,—Cusparia,—Cinchona? &c.—(c.) articles which operate chiefly by their general or local stimulus, and prevent the action from falling below the degree necessary to the maintenance of power;—Contrayerva,—Serpentaria,—Seneka,—Æther,—Capsicum,—Ammonia, &c.—(d.) articles that are chemically antiseptic;—Carbonic Acid Gas,—Infus. Rosæ,—Oxygenated Muriatic Acid,—Astringent Gargles.
- 500. C. Throughout the disease, to watch and relieve particular urgent symptoms,—as vomiting,—difficult respiration and deglutition,—delirium,—diarrhœa, &c.—by Tepid Bath or Fomentations,—Blisters,—Leeches,—Opiates, &c.
- 501. D. To guard against the diseases which are frequent sequels of Scarlatina.—Account of these diseases,—their respective frequency,—the circumstances under which they more especially take place,—and the means suited to their prevention.
- 502. Remarks on the measures proposed for limiting or destroying the Contagion, and their ascertained effects.

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OF CHOLERA.

503. Origin and meaning of the term χολερα.—Syn. Cholorrhagia? or Gall-flux?—Mordechin. E. Ind.

504. CHARACTER.—Sudden and spontaneous attack of vomiting and purging of bilious fluid,—with severe pains in the stomach and bowels,—great anxiety,—prostration of strength,—and violent cramps in the muscles of the belly, and in the calves of the legs.

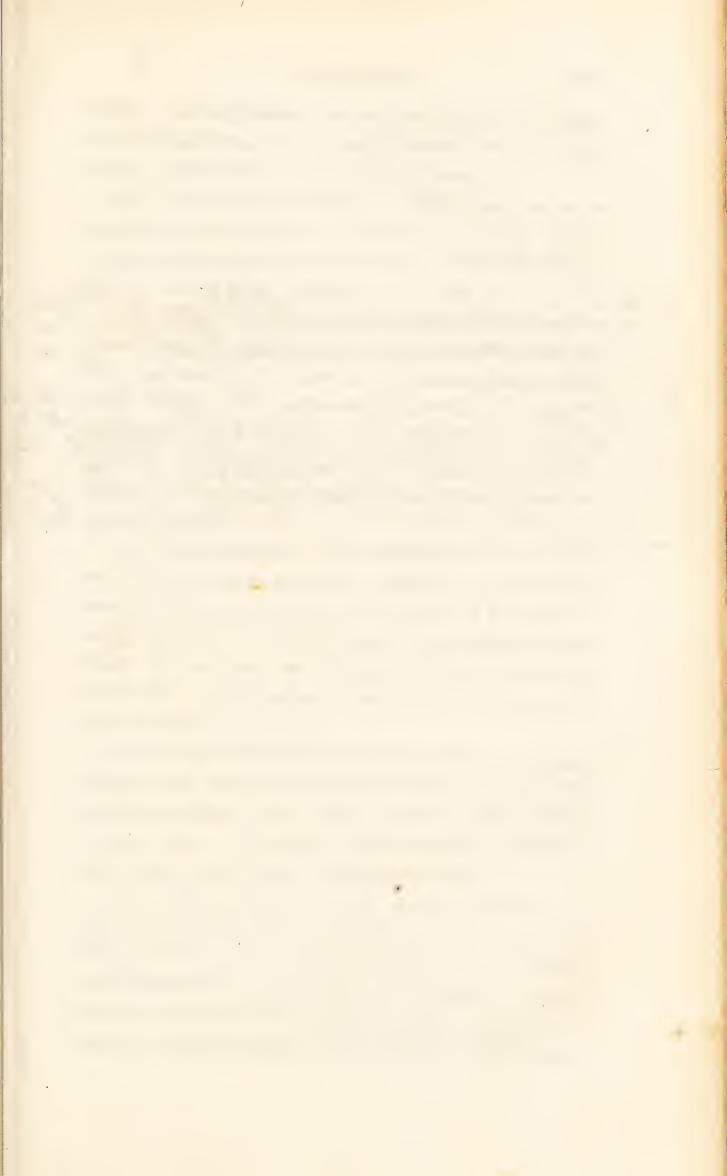
usually occur;—and occasional variations in the degree and form of the disease, and in its result, from the cooperation of assignable causes: Varieties—Ch. Spontanea,—Ch. ab ingestis.—Remarks on the ancient distinction into Ch. humida, et sicca.—Cholera frequently precedes Dysentery in hot climates,—or accompanies the first paroxysms of intermitting and remitting fevers.—Ch. Febrilis,—Ch. Intermittens.—Sometimes changes to Bilious fever (Hepatitis) or Enteritis; especially under certain management.

506. Circumstances which serve to distinguish idiopathic Cholera, from the porraceous vomiting and purging caused by certain poisonous ingesta.

507. PREDISPOSING CAUSES; peculiarity of constitution, generally termed bilious, and often marked by irritability of stomach and intestines, and irregular excretion from the liver.—Long continued hot weather;—autumnal season;—phytoseptic miasma:—certain epidemic influence of atmosphere.

508. OCCASIONAL or EXCITING CAUSES. Sudden refrigeration after excessive heat;—drinking largely of acid, or fermenting liquors;—eating cold, sour, or unripe

is 5 Sometimes the Dissure comes on with Sickery, Domitio of Bill and own encompanied with carahan, at other times this preseded by freet paren I distinción of the Browles own to a accumulation . Hatis, dirans the attended with thoublessee Lenfustivo ofthe then prater them bending huring out the Precional and graon of the Displaying genery when at faleretta had an attach of the time and he suffered interes faire in the aldgemen for a Days thights without laining any steep, but the led, the in a fail of water brought away a language the is and Bile Acid over alived heir this founting as the those that are warner, vocations horser it tiens tes in 24 hours. This velous in heard inder, Freeze, Sanfrature of the thin him, cooler than natural goodens fair and heat in the Stormash & houth with the stands he with the storm about the Clerk there is here in the Storm about the Clerk there is herein and distriple of the face also nine herowing in the faotice Region However for finding find the storm of the home. Entreme ties or here cher of the Kower technic.



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fruits,—raw vegetables,—or any food difficult of digestion—Drastic emetics or purgatives.—Passions of the mind.—Retrocession of Eruptions, Gout, &c.

- 509. PROXIMATE CAUSE. Sudden and excessive secretion and excretion of acrid bile, exciting violent spasms in the stomach and intestines, and profuse serous discharge from their surface.
- 510. The Prognosis must be drawn from the previous state of health and vigour of the patient,—the degree and kind of the symptoms present,—the duration of the disease,—the nature of the remedies (if any) already used, and their effects.—Symptoms which portend danger;—those which augur a favourable event.—In hot climates, occasionally terminates in chronic diarrhæa, or dysenteric state.
- 511. TREATMENT. The indications are—1st, to evacuate the offending matter; and 2dly, to prevent the strength being exhausted by the violence of the pain, or the profuseness of the discharge.—Circumstances under which the first may be attempted directly; others in which the second becomes necessary to obtaining the first with safety and effect.
- 512. Means suited to the first indication;—plentiful dilution with bland mucilaginous fluids: kinds of these usually employed, and choice of them under certain circumstances.—Sometimes mild laxatives: cautions respecting the kind, and repetition of these.
- 513. Means adapted to the second indication:—
 Opiates in quantity and frequency proportioned to the urgency of the case;—rules for their choice and mode of administration:—warm bath;—fomentations;—pediluvium.—Stimulant and anodyne liniments and embrocations.—Simple bitters and aromatics.—Infus. panis

tosti:—ancient polenta.—Aq. meph. alcalina: — other alkaline remedies.—Haust. effervescens,—&c.—Nutritive food in small quantities.

514. Management necessary when the violence of the disease is allayed, to avoid its renewal, and prevent fever or inflammation from supervening: symptoms denoting

the approach of these respectively.

515. Treatment proper during convalescence,—to prevent insidious disease from establishing itself in other shapes (510)—Probable means of avoiding future attacks of Cholera.

516. Description of the violent and destructive Tetanic form which this disease assumes in the East Indies; with remarks on the treatment most likely to lessen its general fatality.

OF DIARRHEA.

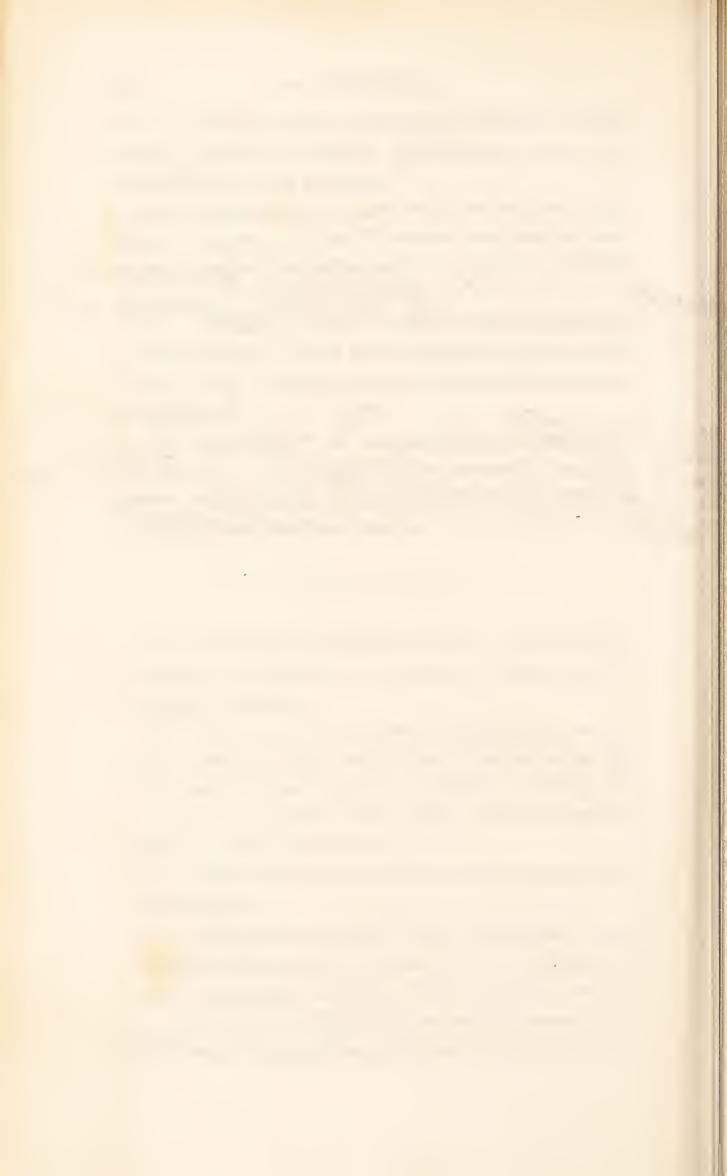
517. Origin and meaning of the term.—Synonyma.

Alvi-fluxus;—Lienteria;—Cæliaca;— Enterrhæa?—

Purging, Looseness.

- 518. CH. OF IDIOPATHIC DIARRHŒA; Unusually frequent, liquid and rather copious stools, generally more or less fœculent;—without, vomiting, violent pain, or primary fever;—and not depending on weakness of the sphincter ani.
- 519. Strictures on the nosological place assigned to it by Dr. Cullen.
- 520. Diarrhœa not only varies considerably as an idiopathic disease, but is a common or accidental attendant upon many disorders both acute and chronic, general and local. Hence the necessity of minutely investigating its rise, progress, duration or recurrence,—pre-

515 His is bust down by therfing the Patient on and water Dich, the Bowelles regulantly from Jeb. It is me sessone in Plethone Rubit Vin Euro Jeans. He Patent formally suffers from our one is dialgien. Open of the from Coloural has in exhibited in dozes of it at fort this the most vafor and ful practise the many be advantageously princed of the open. In ham Sath with also affire.





S28. Of here is a nowickers of course of the time the funds of the house from the fland, of the hotes times, without having a vocating and Descriting is an defound the mucous memberse of the hours free and having Tenerans 521- When the Stocksone follo His an indecestion that there is something runaway in the hetestenes require, premoval but beg exhibiting a Pargative of first we may address, the Thingthe to words, therefore we should moderate the Bis charge a little, and then five hidren es to correct and bring away the fectio accumulation. D. Collies Mis is perenally accompanied with disorder of the Stornach Assorbes dis an of stinal Total times the will be runged with the Faces, but of from the large cominged, the many cutting Hour had being absorbed. Ifthe stool, are vey ba-tons and feroduce triping, I is an indication ber hibit owner thing bythe rid of A.

ceding and accompanying symptoms,—and assigned or probable causes,—in order to determine its nature, or direct its treatment.—Circumstances distinguishing Diarrhæa from Dysentery, and from Cholera:—alliance between these, and mutual conversion of them, shewn.

- 521. Variety in the colour, &c. of the matters evacuated, giving not only particular denominations to certain forms of the disease, but also affording important instruction as to their especial seat and cause:—viz. their being stercoraceous (D. crapulosa;)—containing undigested food (Lienteria);—being chalky;—yeasty:—inky (Melana);—yellow (D. biliosa);—green, curdly (D. infantum)—glairy (D. mucosa);—milky (Caliaca);—serous (D. colliquativa);—bloody (D. sanguinolenta,—Hepatirrhaa?);—puriform (D. purulenta):—or, their being fetid,—acid—or nearly inodorous, &c.—being copious or scanty;—occurring chiefly in the day, or in the night;—soon after taking food,—or at any regular or more distant interval.
- 522. PREDISPOSING CAUSE. Original or acquired irritability of, or tendency to increased secretion from, the surface of the intestines.
- 523. Exciting Causes. Cold applied, especially to the lower extremities.—Fear,—Anger,—and some other mental affections.—Diminished or suppressed perspiration.—Crude or sour fruits,—vegetable acids,—or fermenting acescent liquors.—Particular articles of food in individuals, though inoffensive to others.—Sudden change from animal to vegetable food,—and the reverse.—Change in the water, &c. used.—Hypercatharsis from drastic purgatives, or from acrid matters swallowed.—Certain contagions.—Spontaneous Recession, or artificial Suppression of cutaneous Eruptions,

or stopping profuse or habitual discharges from sores, &c.—Metastasis of external inflammation.—Irregular, but oftenest defective state of the Hepatic functions (527).

524. Enumeration of diseases in which diarrhoea is a common and prominent symptom,—and in which it sometimes proves critical and salutary,—but often so much the contrary as to demand special attention, e. gr.

Fevers,—Dentition,—Worms,—Phthisis, &c.

of the patient's age,—constitution,—and previous state of health;—the assignable causes of the disease;—its duration,—attending symptoms,—and effects,—with the remedies already employed, and their operation.

526. TREATMENT. This necessarily very different, from the various nature of the disease; and often can be only palliative; but if the discharge be not salutary, and therefore demanding encouragement or regulation,

—the leading indications will be—

A. To allay morbid irritability of the intestines;
—by Opiates.—Tonic bitters, as Calomba,—Simarouba,—Lichen Islandicus, &c.—Astringents, as Hæmatoxylon,—Catechu,—Kino,—Resina Acoroidis,—Infus. Glandis Quercus torrefactæ, &c.—Calamine,—Sulphas Zinci.—Alumen, Acetas Plumbi? &c.—Cautions respecting astringents.—Choice of these several articles, as respectively adapted to particular cases; and modes of administering them.

B. To expel or correct any preternatural stimulus applied to them;—by Emetics,—Purgatives,—Glysters;—Mucilaginous diluents;—Alkalies,—Antiseptics.

C. Where, as generally happens, the causes A

524 When it occurs towards the conclusion of fever when the Outrois life frequent Usofter, there is a fintle traffering by leaved enated. In West tim generally own to an Levand secretion of Bile and is to be en sidered for our able I only requires olightenior ereturn his horrer are The said of December, an indication is to receive them. " Phthis is we feel it afternating with collegue time owe at should in all cases be charled formationed this accompanied the hot okin and atternaling with seventry - Def har freid this, Josh the a valestary discharge: The hotestines. wall Por Hausthe Cooked of for with our free in 126. a. When it is accompanied with face . Theater with a long time and I is lowering the thing the they obould be wind with Somies, as Colon be partied but I be accommission with Pile. De Charfers Customie Of olon be for It to get the Deliver of the Deine Chronic De as it checks the Dis charge inthout for of ceins house of Diaphonesis By This grx -x v Puls fact to Opiofix v ! her found this once we when others have failed -Mil. Liver is a town as well as tothingout and does redy win a Type. alus lous its arting ent effect formien a done as pre but on the conting produces a discharge the sutestines, his from this deason that it hers being that open with theren. The preparations of halk with shas known the Resure Crewind, stry on the storners when other riches would not. Live is useful in the colligoration &. a indant on Otheris. When the discharge from the Bowelle wind with Blood, and the indication is unwindfully such A , Iliquing the heper Rose will be the best renderly. Lingents are infor spec on the first attack of Drawham but a fruthe Propative shell be from afterwards they every be adB. Monthe Dearhor and wis w from futured offlowers, & commenced on lentio the first taken. Where there is any live ty in the Stomach ver the Drew, alkalies from with the other cemed is well be advantageons.

B. S. Linteria, an lentional be found featherlands with the other followed by I were. When there is fishing in the Browles his personally owing to an accuss fishing in the Browles this personally owing to an accuss and totion of visited Menther the total be recovered by Devative. Show the form, they though be principally which is known by the Jane, they though be joined with freed a cisp of ficial effect. Slysters will prequently from writted in an account of form of the source in the lower Browles in the lower Browles in the lower Browles and the Bowles. The miles of the same of the source of the same of the source of the same of the source of the same of the same

When there is Dyspeps in with laid ity thecombines. in of Joda, Phis of blomber welver a vicy worther with which will a trial of the brown over thing to body with blownel a most advantageous adjusted The Bit and of late has been found that it is telled hup Patients on a very by he Dick particularly Children

6 the accompanies with and feeling of the tomach hill Fruits with the fresher, when of the their Deathors ties by attention to Diet Line Untir Muith will be unful When there is Cecid day in the Stornach from the Put Afflat. When there is great haitation of the Brivallo and the matter a quies to here enated. The Hourst Oleo. a. Opinion will be bear In the hear, D. of Mildren owing to Doutition Detotably accommends Othere toda Holewita - in Pharmie & Philipping The coupi, Melo will be useful attorionth or without bout ofe Dealelini is a favorito remedy as a Forie, His most propor as a Dunk. The Pulo down is the best Diaphoretic. a Farmaceons Diet is the west frasper - Baked wheat Hour atity very food dich wing ht & pine vome heren Parfa. at the same time hind wing ht & pine vome heren Parfa. a stinght. colled head & baked hand, grated into with hasbeen found tion of Bile and it will and five way if this to not attended to thingson of hercary with done of hercary with done is & Costempents: 529 this said that when Dysenbuy is accompanied with From that it is contagions, but Il doubts this although the blusters althought the both the son

530. When howevers as an Spidemie, it is femerally accompanied with violent Sophing symphonics that in the sporadio this would appoint with syrvehus we do not find that the Patient complain of frain, which the Patient complain of frain, and for the Adomer and for the Adomer in house flind the Sysuthey framewally follows Refals.

and B are combined, so must the remedies be either jointly or alternately employed; whilst due attention is paid to any derangement in those organs which directly or sympathetically affect the intestines,—as the Stomach, Skin, and Liver.—Aq. Calcis cum Lacte.—Prep. of Chalk, Testaceous Powders,—Boles.—Haust. Oleosus cum Tinct. Rhei.—Pulv. Rhei. cum Soda.—Dec. Ulmi.—Determining to the skin by Diaphoretics,—tepid bath,—warm clothing,—friction,—gestation.—Restoring suppressed discharges, or establishing equivalent ones:—reversing inflammatory metastasis.—Suitable diet.

527. Necessity of a due performance of the Hepatic function, to the healthy state of the intestines, illustrated by cases;—and successful treatment of apparently idiopathic diarrhœa, both recent and chronic, upon that principle.

OF DYSENTERY.

- 528. Origin and meaning of the name.
- 529. CHARACTER. Violent griping, tenesmus, and straining at stool, attended with frequent, scanty, and mucous or bloody discharges from the intestines, while the proper fœculent matter is for the most part retained:
 —generally accompanied by pyrexia, either primary or secondary, and frequently contagious.
- 530. Detail of symptoms attending the rise and progress of the disease; and variety in the state of the pulse, skin, tongue, &c. accordingly as it is—sporadic or epidemic,—as without or with pyrexia,—as simple, or as preceded by Cholera,—or combined with Intermitting, Remitting, or Typhoid fever,—with Hepatitis,—Enteritis, &c.
 - 531. Examination of its alledged identity with Rheu-

matism (Rheuma intestinorum. Cœl. Aur.) and its contagion being that of Typhus accidentally conjoined. Refutation of this idea, and proof that its contagion is specific.—Striking examples of Dysenteric contagion being generated de novo.—Account of the animalcular hypothesis of Linnæus.—Analogy between the different forms of Catarrh and of Dysentery respectively; illustrated by a comparison of the symptoms in each.

532. Variety in the morbid appearances of the intestines and neighbouring organs after death; and explanation of several phenomena of the disease, deduced from thence; as well as collateral support thereby given

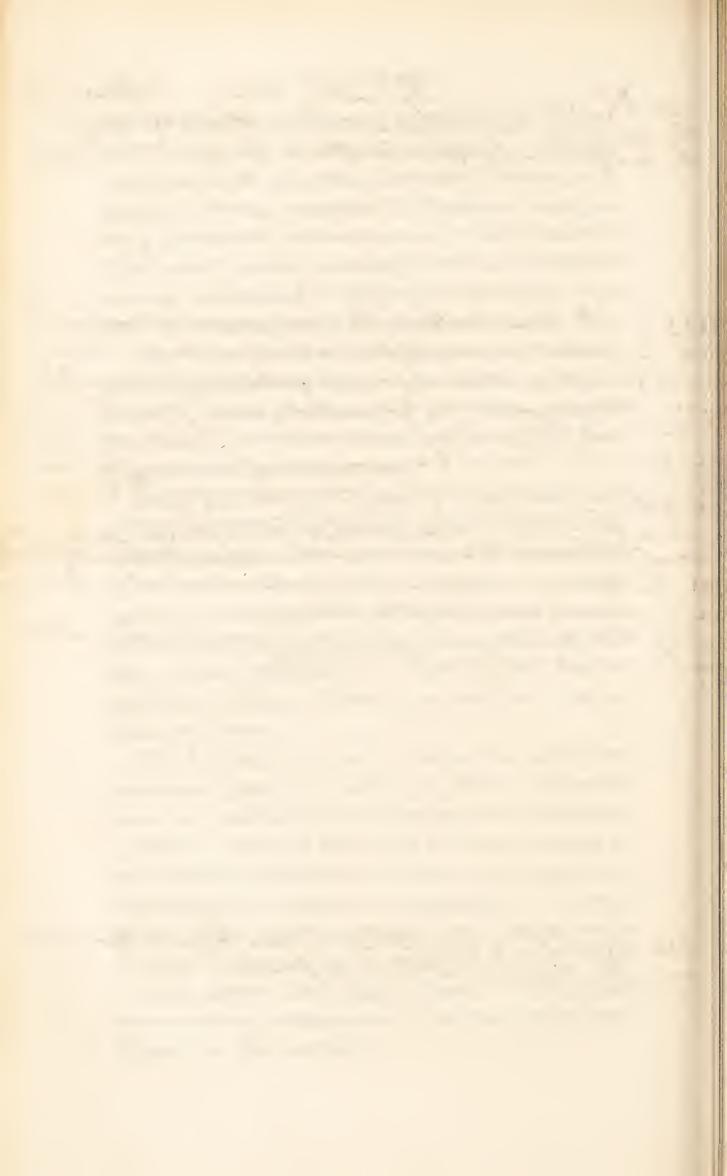
to a particular mode of treatment.

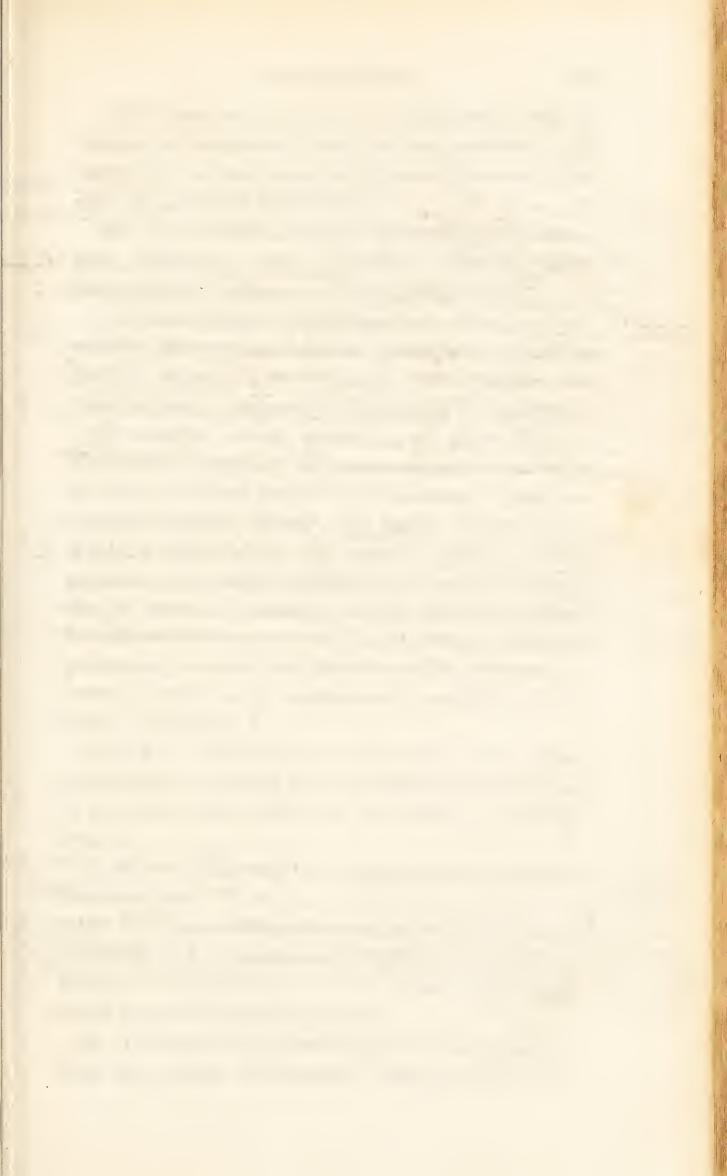
perhaps original morbid tendency of the intestinal canal, probably analogous to that in diarrhœa (522), but modified by the exciting causes, whether Contagion, or common agents.—A morbid state of the hepatic system, however induced; often merely functional, but sometimes organic also.—Poor farinaceous,—or salted animal food.—Scorbutic diathesis.—Epidemic constitution of air.—Autumnal season.

534. EXCITING CAUSES. The peculiar Contagion, sometimes generated de novo, but oftener propagated from one to another by those labouring under the disease:
—different modes in which this has been supposed to act.—Sudden alternation of heat and cold, especially if accompanied by dampness.—Accumulation of human effluvia under certain concurring circumstances.—Sulphurated Hydrogen Gas?—Sulphureous Acid Gas?
—Crude austere fruits, &c.—Worms.—Drying up of extensive ulcers;—Suppression of chronic erysipelatous, herpetic, or other eruptions.

531 De conorders Dysustry to be an infland of. the sure one humbrone timing the Intestines, the has generally found the confined to the large. \$32 in Cold Climates the Influence is furnally confined The laye litestines, and if the Patient viceviers the cute form, the Note hack for who a starto of bluration. constinues meet with hidrenation and Confer tion in , liver and spleen. It be has never seen the omale letesnes fireased. Chevani Diocensing in Curan who have I lay in course Climates is generally owing to diseased to of the liver produced by heten herance in hiving to warm Cleriates the second that the suffairs extends to made the teleer of the thirtheather 13 The facun is more commenty diseased then thanises in functional disorder of the blows. of pressure is recede on the aldower.

534. An Silen states that behas town by outing award by Engo spelas tiking place





there is distansing heresmus, and frain felton hussens he drawn the discharge is facultant sno painer insmu. facility the lecteritis the Bowells are ofen, and the Hooks he Colic the have is sheftens, the hunder auticated, and officialis constituent he cholica there is bountary and drugging of Bilions better - he Han outsites the peed renfined to the Rectain, rechentlood is fraged his jumale, in luggerentity but on the enthany actich-537 Then Nowers in a Personales has lived tour in a Fatient hapers a lay i quantity this conferon able on which the Health is not much reduced - also when it follows. The longere of thereing or occurs and the device.

538. a. Ed. is only recessary in Bysenting when Hours in the Inflant form - but themen's with be carried to the extent it is a literative as it is ferrenally accompanion with the descript of the Bosevells beaches every be applied. but Blisters have been found never survivable than I spical Bleeding.

- 535. PROXIMATE CAUSE. Inflammatory state of the mucous membrane lining the great intestines, with constriction of their muscular fibres.—Difference of the pain, in *acute* and *chronic* stage.
- 536. DIAGNOSIS. Marks distinguishing Dysentery from Diarrhæa, from erythematic Enteritis,—from Colic,—from Cholera,—and from Hæmorrhoids.
- stitution, and previous health of the patient;—the number and degree of the symptoms,—their duration and consequences;—the general tendency of the epidemic:—the remedies already employed, and their effects.—Favourable symptoms; diminution of pain and of calls to stool;—reduced frequency and hardness of pulse;—equable moderate warmth, and gentle diaphoresis;—scabby eruptions about the mouth:—miliary or other eruptions;—increased consistency, and fœculent appearance of the alvine discharge.—Bad symptoms; violent fever with delirium,—or cold vicid sweats, with great prostration;—tension and tenderness of the abdomen;—worms coming away spontaneously;—aphthæ of the fauces;—singultus, &c.
- 538. THE TREATMENT will require to be varied considerably, according to the circumstances mentioned in par. 530;—but chiefly as the disease is acute or chronic.

In the early stage and more acute form, the principal indications are,

A. To lessen inflammatory action, whether general or topical;—by venesection?—leeches;—cupping;—blisters.—Consideration of the circumstances under which these are respectively proper.

B. To remove the irritation given to the primæ viæ from the remains of alimentary matters lodged there

or from their own diseased secretions;—by—(a.) Emetics,—(b.) Purgatives,—(c.) bland mucilaginous diluents.—Choice of individual articles best suited to each of these purposes in certain cases.

- C. To take off the excessive sensibility of the intestines, and thereby allay pain, and relax spasmodic constriction;—by Opiates, assisted by the warm bath, fomentations, and embrocations.— Common objection against the early use of Opiates, examined,—and shewn to depend upon trusting to them alone.—Rules for their employment, in alternation or conjunction with other remedies.
- D. To restore a due balance between the functions in general;—by augmenting those that have been diminished, and correcting those that have been vitiated.—Application of this more especially to the cuticular and hepatic functions (533-4); and explanation thence of the benefit arising from the employment of Sudorifics, and also of simple bitters,—Antacids,—and Mercury,—illustrated by cases and authorities:—with directions for their choice and management.
- 539. Occasional variation necessary in the order and extent of these indications.— Particular treatment required where the dysentery is joined with Intermitting, Remitting, or Typhoid fever, &c. (530); and mischievous effects arising from the indiscriminate use of Astringents and Stimulants.
- 540. Remarks on particular remedies alledged to have a specific power;—Ipecacuanha;—Vitrum Antimonii ceratum; Mist. Sodæ Muriatis cum Succo Limonis, &c. &c.
- 541. Period at which Dysentery may be deemed Chronic.—Variety in the appearance of the stools, indicating the probable degree and mode in which the

B. Putter are powerful and useful remedas. the beginning of this disease, unlife it is encour for. wied with Cholina, from their action on the White and Loyd & Cher from Some of in per acher and the inspations of am vily no two should be hequently After the term of comes the Suffaces Juffer the ferefrance ations of luntimory wile to best bed bedoughers, but if the splind, the Body in Human harben found adoutation, it from the Body in Human harben found adoutation, it gives a suffer to the Boweles and height when better the Shine in Dergison states that a contination of factornation caeranta enever fails ferring bysenting, be gavered said dones the fig I get fively from hours in tito it. At the hearth's belowet twice after the Partail in Two fital who was rapidly on her, and when their Mr. Bittis wile be accessery their the this Fine of the nach when the trovers to oper fitours five way -I four I that the environment of alone with the time or and Spring from haitering but the free alone was replaced the track of the drops who there I spring their alone arms was replaced. o Deformaly workentucky on the carriagher, but fever ale dores of foldered with finies oftend. I found a very worful remedy, but It have not experi. in remarka advantage from it in this loverthey

& he the Dyventines which occurred without land defeator Dedang jave a full done of Therin and the found it relieved the Commina and their allowed the Bowles Doch - Preates when five in days Some wile hequestly instead of constituting the Obrites produce according effect. Operates alone are improfus in the beginning of This Disease in this fountry, but if con bind with Payatives, oudorifies or labouret they will be ax treandy useful. I. Allas frequently observed a greek defree formul in the Stools, Where one to is there are accepsary 5:39 When emiliand with hitering or Rentling Fever, we figed Heat the Byourties is considered and by aggreerated during the Green of the From therefore we the endeavoir to check thought of action with but remettents De prefero 5'39. When combined with but remettents De prefero a feele vone of Chrisin joined with beatonifies a Querency. When attended with Remitting from fur. Kurjanis heater wile be bot when first Tophers some of themeny with Therein & Surface, we prince somale such their of this combined with Sowny five amount of linds and subario Fruit, &c. atter weavery chech the Discharge for some time by the use of articipents, while we whale find that it will return with increased violence -

542. When their is much leave in the Exprise of the Lever the application of Capping Glupes will be people, 545. Aweny is a remode the brould be found externely useful in theonie Dyn, but it is doubted how far it may hope for Persons who here airied long in waren I hinates is cuch it has been recommended to the the Bourles of me The lases which have occurred in this Frontier, where the rowles were and four too fave into a vitato of ilevation. Le hemand dies here also been advantageously employed if Pacific fewer the Del Calph. Athermy above with evers! the hill outains Freit well of found an external under the Boardro are only in a he grown we find that heroling the hereing too few. entroducing to two opendily with the frequed cical, as it show theen stitution exceeding by, but this is not over bly the case as an instance is mentioned to prove the there in the strong themen the four tite time by Joines X we the Patient is of an excaptions Mutik, the exhibition Hiel were 62 advantagions?

541. Dysentry away he called Oliverer, when the head having the Comiles outsoides, and the Heal of the Their otherskaronleived, the Pulse been who althy and the Freque cleare wheathetito begins Butino. Then His hite time are for parto a state of believe Oslow and there is a small quantity of Pur mixed with them, and there is in one are found in the Bonele ces usuable granted and are are and with the floor When the male hitesteins are diseased, there will be Gensea, puruleul stools, and penin in the Expasthe weleas the Report as the Region-When the history entrain very balen there is much forming Thesome, we have amendicultino to five afentto l'arge his this is often enmeted with alenation of the Lates times. the Spleen is very often diseased in Chrone Syvertiand and and S1,3 In the beginning or few ally find that there is violen . Sommera produced by an accountation of day harba, this into berdien by a faithe Purfative as of Riesis with a few Jesho flaw anima Ded toth. When the Dyo. is a circulante with Depopet the ogetowns the Pulo Phie o Sodawill be herefice anne of combined with Thereamanha. 54 ds. Phate butters with be proper then there is blunken Atthe Rubini or a fucie of tolid Therewould be entroduced into the fell and allowed to senainand will be perfect les when to not busons as land lived hard somale quantity of twine should be allowed Someting begins are always hagindicial. In warden Bathwith pretingente be advantagions in presenting future attents.

intestines are disordered;—e. gr. simply mucous (Dys. alba vel mucosa), streaked or tinged with blood (Dys. cruenta)—ragged,—scyballous, &c.—Symptoms indicating disease in other of the abdominal viscera, functionally connected with the intestines, and requiring particular attention in the treatment of the ostensible complaint;—as the liver, stomach, &c.

- 542. In the Chronic Dysentery, with the exception of bloodletting, the general indications are the same as stated in the acute form, (A to D);—but differing in the less activity of the individual means employed, proportioned to the slower progress and more organic nature of the disease.
- 543. Remarks on certain articles suited to Indication B.—Ol. Ricini;—Ol. Olivæ cum Tinct. Rhab.—Pulv. Rhab. cum Soda. Lac cum farina tritici et sevo ovillo;—Cera cum Sapone.—Demulcent glysters.
- 544. Articles adapted to indication C.—Opiate frictions and injections.—Extr. Hyoscyami, &c.
- 545. Explanation of the principles upon which the Mercurial treatment is to be conducted, grounded on long experience.—Observation on certain articles cooperating with Mercury, or proving occasional substitutes for it; and an account of the effects of ripe saccharine or subacid fruits in obstinate dysenteries.
- 546. Diet and regimen proper during the convalescent state, to prevent relapse, and guard against future attacks.

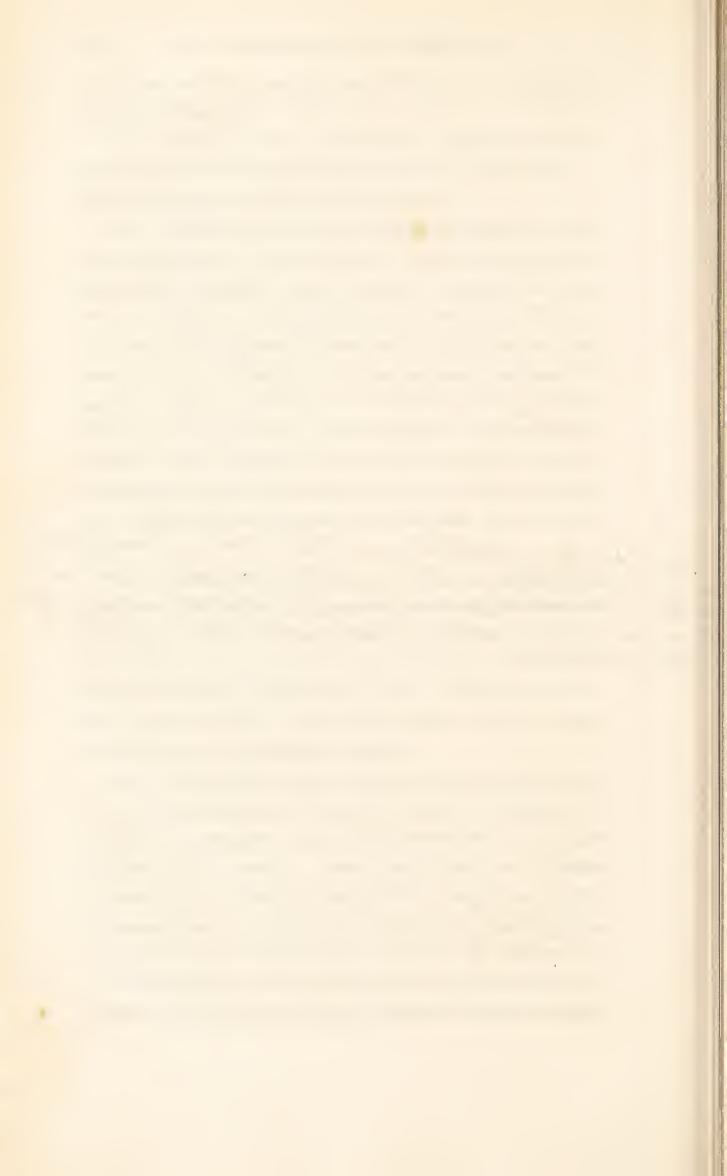
OF HÆMORRHAGE IN GENERAL.

547. Origin of the term.—Improper restriction of it by Sauvages and Vogel, to signify one particular discharge

of blood.—Syn. Sanguisluxus, SAUV. et SAGAR.—Anglice Bleeding.

- 548. DEFINITION. An excessive, and generally preternatural flow of blood from any part of the body.—
 The universality of this definition shewn.
- 549. Division of spontaneous hæmorrhage into two principal forms, viz. the Active, or that accompanied by, and chiefly dependant upon, a general increase of force as well as frequency of arterial actions;—and the Passive, or that which happens without such general action, but merely from congestion, or from extreme weakness of vessels, with or without a dyscrasy in the blood. Remarks on the remote places assigned to these by Dr. Cullen in his Nosology; and on the definitions and very dissimilar names he gives them.—Terms, Hæmorrhægia, and Hæmorrhæa proposed to designate them respectively.
- 550. Comparative frequency of one or other form (549).—Distinction of hæmorrhages as being critical and salutary, or the contrary;—and the diseases in which the former more especially happen, as well as the parts from which they chiefly take place. Division into casual, and periodical; with the periods that are most common, and the probable causes.
- e. gr. from the nose Epistaxis;—from the lungs Hæmoptoe;—from the stomach Hæmatemesis;—from the rectum Hæmorrhois;—from the kidneys or bladder Hæmaturia;—from the uterus Menorrhagia;—&c. &c. Enumeration of compound names that would express both the source, and the form (549) of the disease, viz.—from the nose,—active form, Rhinæmorrhagia,—active, passive, Rhinæmorrhæa; from the Lungs,—active,

550. A discharge of blood ormetimes takes place early in continued liver and is salutary, but we amen't out motioned it with that which occurs in the tatter stages of were and which is wothen ely difficult to stop and with he my frequencial.





SS4 the find that the Plood which comes away is much longer in congratuling than ordering and that it has enthus a viry affectioned. In history with the Sahalants are constructed, whereas in Humonhay they aware read by transmit the Plood, and there is letting an increased dustion in them. I have found by the Passins of the sund without may alterations of the Islands in Thirds had without my alterations of the Harmon hay we much be required by the force of the frameworks we much be required by the force of the friends time, more than by the colour of the Blood.

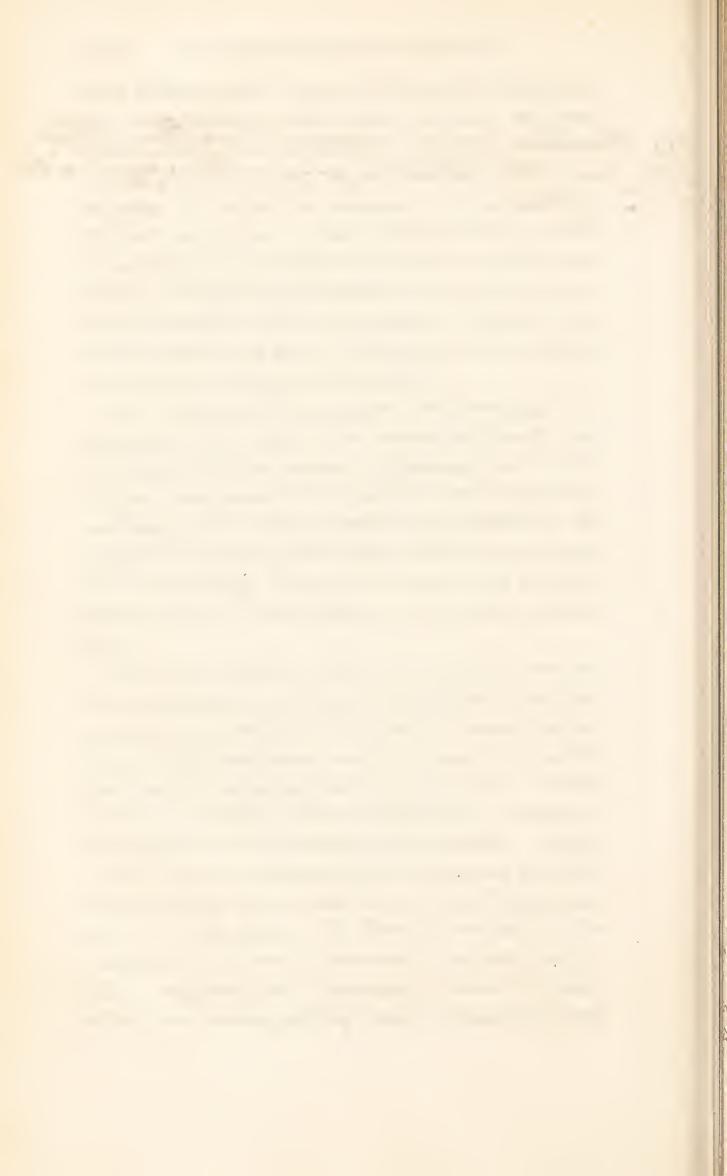
Hæmoptorrhagia, — passive Hæmoptorrhæa; — from the Uterus, — active Menorrhagia, passive Menorrhæa; from the intestines, — active HæmenTerrhagia, passive Hæmenterrhæa, &c.

- 552. Approach of Active hæmorrhage marked by sense of general heat and fulness, or by sudden flushings, sometimes alternating with chilliness;—but always accompanied by unusually frequent, generally throbbing, and sometimes hard pulse;—together with certain uneasy feeling, referred especially to the part from whence the blood is about to flow.—Where the vascular action arises from general hæmorrhagic commotion or effort, it subsides more or less as the bleeding proceeds;—if not, some other cause of pyrexial irritation may be suspected.
- 553. Account of Solano's observations on certain states of the pulse as indicating the period and degree of approaching hæmorrhage:—have been countenanced by a few persons of authority.
- 554. Difference between the texture of the blood in active hæmorrhage and in inflammation; and explanation why inflammatory complaints seldom attended with discharge of blood.—Question whether the Solids or the Fluids primarily in fault, discussed;—and reasons for believing, that spontaneous hæmorrhage, both active and passive, proceeds in a great degree from an assignable cause hitherto overlooked.—Difference of colour of the blood in active and in passive hæmorrhage (549); and the conclusion usually drawn from thence, with respect to the immediate source of each, shewn to be liable to considerable doubt.
- 555. PREDISPOSING CAUSES. Original constitution which may be denominated *Hæmorrhagic*;—often connected with Sanguinous Temperament, but sometimes

with different exterior character, and then seemingly owing to particularly weak vascular structure of certain parts:—both often hereditary.—Plethora,—whether arising from full living, from indolence, or from the stopping of natural or customary discharges:—Dr. Cullen's explanation of the mode in which periodical bloodletting occasions plethora, objected to, and another offered.—Original mal-formation of certain organs,—often connected with, and supposed to depend upon, defective shape and size of external parts.—A tendency to recurrence—begotten by repetition.

- tain parts of the body in the progress of growth; and explanation why the tendency to Epistaxis and to Hæmoptoe, most remarkable at particular ages respectively.—Change in the relative capacity and condition of the Arterial and Venous systems after middle life, described; and corresponding change in the nature and most frequent sources of hæmorrhage at that period, pointed out.
- ever can increase the violence of the general circulation, or augment the impulse of the blood in vessels that are weak or slightly supported.—e. gr. External heat; notion that it acts by expanding the blood, disproved:—its true mode of operating shewn.—Diminished pressure of atmosphere,—as on ascending high mountains: Expts. of Dr. Darwin, confirmed by Dr. Simmons and Mr. Cline, proving, that it does not act by rarifying expansible air in the blood. Dr. Darwin's conclusion, of its inefficiency as a cause of hæmorrhage, refuted; and its effects explained and illustrated.—Violent muscular efforts,—as running,—lifting great weights,—long and

555 Mu there is any original malformation Atta (hust, the Patent is generally very leable & Homospton.



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358. The degree of danger depends on the slowness of the discharge of Bolood, for the extent to she it the Humanhage accepts of it come away slowly is very freat, without being fatat.

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loud speaking,—blowing wind instruments.—Posture;
—as depending position of the head in Epistaxis,—erect
sedentary one in Hæmorrhoids.—Tight ligatures round
the neck or limbs.—Fits of anger;—other mental emotions?—Excess in spiritous liquors.—Use of Opium in
apoplectic diathesis.—Doubts respecting the alledged
effect of cold as a cause of hæmorrhage.—Blows, falls,
&c.—Destruction of blood-vessels by cancerous, syphilitic, or other ulcers.

- 558. Prognosis; To be drawn from the age, original constitution, and previous health of the patient;—the form (549), source, and causes of the hæmorrhage;—its habit of recurrence;—its degree, and the effect it has had upon the constitution. Account of prodigious quantities of blood lost, where the persons notwithstanding recovered.
- 559. Examination of the doctrine of Stahl and his followers,—that spontaneous hæmorrhage was an effort of the constitution to get rid of something hurtful; and therefore seldom to be put a stop to.
- 560. THE TREATMENT in detail; as applying to HEMORRHAGE IN GENERAL, extremely various; but in a great measure directed by the form (549) of the disease.—In

ACTIVE HEMORRHAGE:

561. The indications are,—A. To avoid or remove such occasional causes (557) as may still continue to act,—by regulation of atmospheric temperature, clothing, &c.—Abstracting heat from the body by—cold applied to the surface—to the stomach,—to the intestines:—different means of effecting this.—The use of poten-

tial refrigerants, as Nitre, Acids, &c.; remarks on the circumstances in which they are useful or proper.

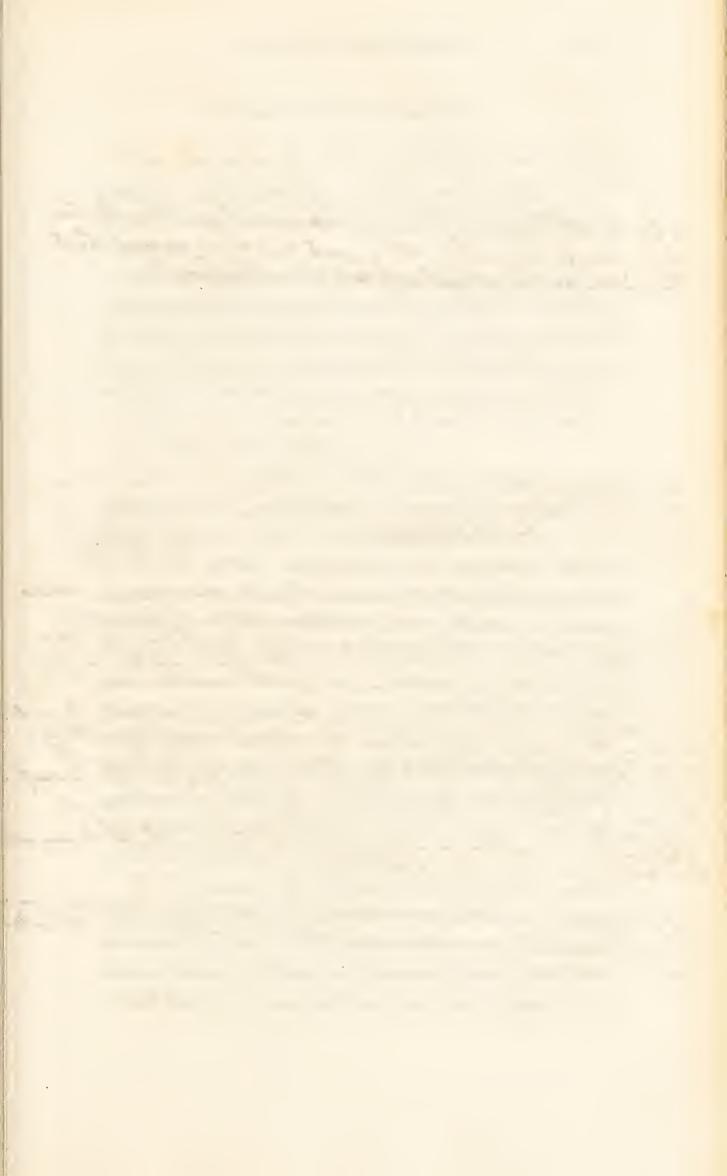
- B. To lessen the distension and impetus of the blood, by—(a.) diminishing its quantity;—by general and topical bloodletting:—different modes of them and their management.—(b.) allaying excessive irritability of the heart and arteries,—by Direct Sedatives, as Digitalis, Acetas Plumbi, &c.—(c.) correcting certain morbid quality of the circulating mass?— Facts tending to shew the influence of the Hepatic function upon the mass of blood (554); illustrated by cases, proving the remarkable success of remedies directed to remove certain morbid states of that function in hæmorrhage.
- C. Taking off any accidental irritation arising from the state of the stomach and intestines.—By Emetics, Purgatives; choice of them in particular cases:
- D. Allaying pain, procuring an equable distribution of blood throughout the vascular system,—and thereby taking off too great determination of blood to particular parts;—by Opiates, Extr. Hyoscyami,—Relaxing diaphoretics:—nauseating doses of Emetic remedies.—Sailing,—swinging, &c.
- 562. Diet and regimen proper during the continuance of active hæmorrhage, and calculated to prevent a return.
- 563. Particular application of the principles above delivered, (549-61) to the treatment of *Epistaxis*, *Hæ-moptoe*, and other hæmorrhages which most frequently assume the *active* form.

B. b.d. is the morting hortains remedy in Vacatione. This absolutely necessary to pay obret attention to the state the Patient is then in, and to the Stabil of Body topic ise comploy the Remedy, for it prequently is had known to imposperly, and it is often carried so far no to river care the Hamontage, and ough obility is produced that the Patient executivally rich. a case which Dr. B. attended of Hamatameris, in which there Yourshaye was excessively active, every thing was one which could think of butter very, when the your patroze Patient the ady was, as it was impossible to oton the Blewing corners on, Ist before it came away enfloyed the Lanet hick complex by once ded in fulling a stiff to the day workings. In Kamplea Blood should only be taken covering in security contities at a time. The lists traction of the food by enflower flaters to be down freshould bleaches and they work releven relieves when if applied invened intely of the body ipitalis may be given for to Brien Poroder - In ofthe Infers or Place to xx the hint this and the asymbolisty the offel the produces. at Plunt. may also be now with Their - in to 1. of the & 2 to 12 of active Remove have in proof of a worked state of the Blood Therem will to never than there when weturn in the when, " it will have of any particular wastalism in a part is new: By in Ham of too the initation foodere of Justing is received house and be taken and to being on rech hisolines and low the butter to collect in the heres-The Hamonky & occurs from an Accident an Sprinto should from in a full one to alley virtualing; specition with the accord tical of combined with potent nemedies and recaring deaght litizing home? They are after recessary to areay him. by it spiritages it is allow mere roany to bleid unlight is constanted with helper of to the Bluding as by mechanical propried a doubt look with forced into the Good hill was not constitute the Good with the Good thick with constitute after the best remedies the hour Rose. Not a clumb of they are enfined it should be joined the some howhal being an enfined it should be joined the some howhalt being a colt. I however ful remedies in the own of the dis charge is the work force ful remedies in they the dis charge is the application of looks water to

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PASSIVE HÆMORRHAGE.

- 564. Gradations of Active and Passive hæmorrhage mutually approximating towards each other; and change of the former into the latter by continuance or repetition.
- 565. Remarks on the general condition of the system which attends the passive form of the disease,—as leading to certain indications of cure opposite to those proper in the active form;—and reasons for believing, that a morbid state of the hepatic function is common to both.
- 566. In the TREATMENT of PASSIVE HÆMORR-HAGE, the general indications are—
- A. To allay pain or other local irritation, by Opiates—cold applications; purgatives:—choice of these, and the modes of employing them.
- B. To induce contraction and coagulation in the mouths of the bleeding vessels:—by Astringent remedies internally.—Alum, —Kino,—Dec. Salicis, Maltese Styptic,—Infus. Rosæ,—Sulphas Zinci.—Sulphas Cupri.—Acetas Plumbi, &c. Account of the process of nature in stopping the discharge of blood from vessels mechanically divided; and application of this to the treament of passive hæmorrhage. Observations on Syncope,—on nauseating remedies,—and on the general and topical use of stimulant articles, ex. gr. Ammonia—Ol. Terebinth.—blisters, &c.
- C. To restore any diminished or suppressed excretion;—and thereby lessen the determination of blood towards the seat of the hæmorrhage,—by Diaphoretics;—Setons;—Issues;—Emmenagogues, &c.
 - D: Lastly, to increase the tone and vigour of the

system at large, and correct any dyscrasy of the circulating mass,—by Cinchona, — Myrrh, — Chalybeates,—suitable nutritive food;—friction;—exercise;—cold bathing.

567. Remarks on certain articles alledged to possess peculiar powers in particular kinds of hæmorrhage;—Murias Sodæ;—Ol. Olivæ cum Tinct. Rhei. &c.

568. Special application of the principles laid down (564-6), to the treatment of $Rhin\alpha morrh\alpha a$,— $H\alpha moptorrh\alpha a$,— $Menorrh\alpha a$,— $H\alpha menterrh\alpha a$,— (Sp. Melæna, Hepatirrhæa)— $H\alpha morrh\alpha a$ petechialis;—and $H\alpha maturia$,—illustrated by cases.

OF HEMORRHOIS.

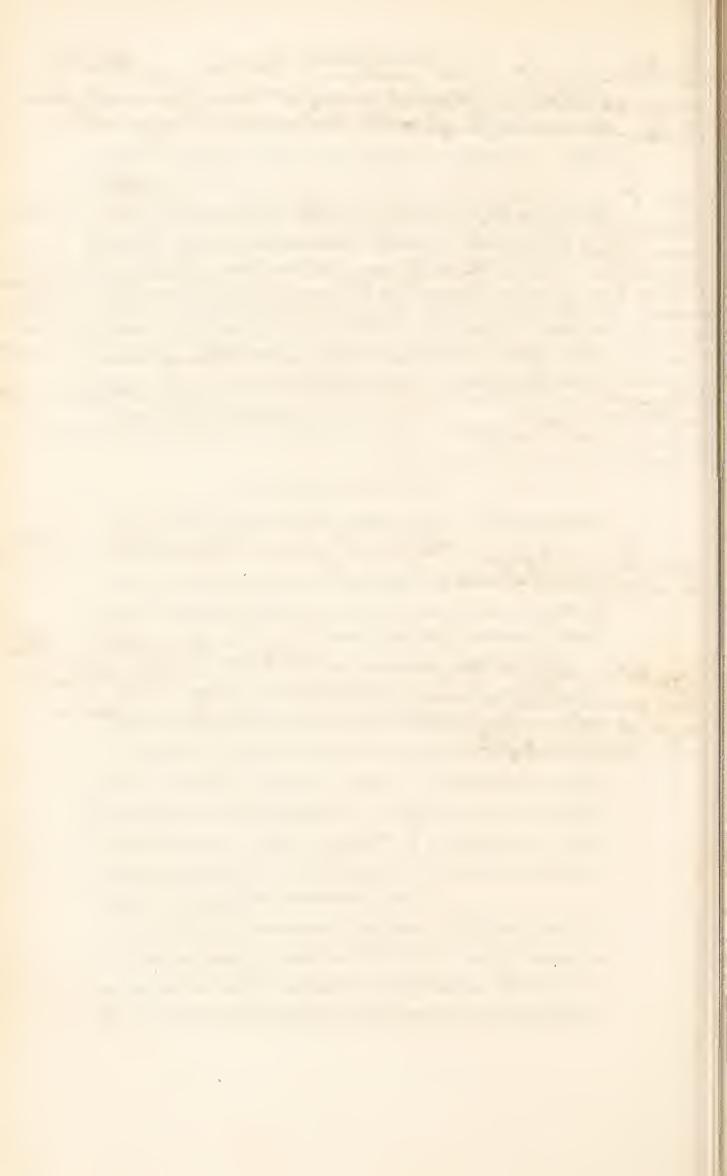
569. Derivation of the name.—Syn. Hæmorrhoids,—Angl. Piles.

570. CHARACTER:—Discharge of blood, or bloody fluid, immediately before or after the fæces,—generally issuing from soft, livid, and painful tumours, which take place around or within the verge of the *rectum*.

571 Division of hæmorrhois into Active and Passive, —into constitutional and local; —with an account of the circumstances under which the one or the other form more especially occurs, — and the symptoms which accompany and distinguish it.—Strictures on Dr. Cullen's definition, which considers it as always an active and constitutional hæmorrhage; and reasons for believing that it is very often passive and local.

572. PREDISPOSING CAUSES. Original laxity of the hæmorrhoidal vessels.—Plethora:—suppression of menstrual or other customary sanguineous discharge.—Inactive and sedentary life.—Melancholic temperament:

D. Hummoral Circos contined with the vegetable Tonies Ke wile be extremely worful X in Remont from the Bowles much preferable to heating Chalybeatis. 367. De Rush mentions the food effect of them Loda in Hamplow, but & Chartied Awithing producing any fauto. cular effect, except heeping the Cowelis ofiler -Impention is an extremely wreful rundy. Australarly in africa Hounday from the Kidneys, that it would be wird with within the drive town the world in Hamilton the Board to the hoursely has been recommended in Hamilton the Board to the Board to the Board to the second one the Bourdes. De has jenerally five the bogetathe acids. her it is owing to an accumentation in the Rima bid we must a futto dadatives as Gl Oliver Rhu-Homatina the leve leve is a comedy we array five nure ready In the Balsams. Inactit are to all to heef the Boweles confined. ich should always be avoided. 370. You will find the feart projecting, off and very 57, Where they take place in the cartine from they were generally preceded by facin in the trial was the the ways of the terms which is releived when the Blood flows.





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- —hypochondriacal and gouty disposition. —Advanced age (556)—The hæmorrhagic habit formed by repetition, disposes to future returns.
- 573. Exciting Causes. Whatever opposes the free return of the blood from the hæmorrhoidal vessels, whether hardened fæces,—distended Uterus from pregnancy, &c.—preternatural tumours within the abdomen;—or obstruction of the Vena Portæ, from congestion, torpor, or induration of the Liver.—Frequent use of purgatives, especially Aloes.—Erect sitting posture.—Modes in which these causes appear respectively to operate.
- 574. Difference in the state of the tumours, accordingly as they consist of varicose veins,—or of blood effused into the cellular membrane;—as they are painful or indolent;—bleeding or blind;—compressible and fugitive, or indurated and permanent.—They occasionally suppurate, and discharge externally; and when they do so within the rectum, are perhaps the most common origin of fistula in ano.
- 575. DIAGNOSIS. Symptoms distinguishing Hæmorrhois from Dysentery,—and from Melæna.
- 576. Enquiry into the opinion advanced by some eminent physicians,—that the hæmorrhoidal discharge should often be permitted or encouraged rather than suppressed,—as giving great relief to complaints of other parts, particularly the head. The reason of its proving salutary or critical in such cases, explained;—and proofs given of its being even then the index of another morbid state, which may and ought to be removed by other means.
- 577. PROGNOSIS. Generally favourable where the patient is young, and the disease of the Active form: but the contrary in advanced life if the bleeding be profuse,

the general strength impaired, or any of the important viscera be unsound.

578. The Treatment,—(as in hæmorrhage in general) considerably regulated by the form of the complaint (549); but in a great degree also, by circumstances peculiar to its situation, as well by the predisposing and exciting causes, (572-3), and the particular state of the tumours (574).—As far as it is either an active or a passive hæmorrhage, and dependant upon a corresponding condition of the vascular system at large, the several indications already given (561,566), will apply; but in its passive form, it is much more influenced by local circumstances than most other hæmorrhages, and accordingly demands some means especially suited to itself.

579. The special indications then, are—

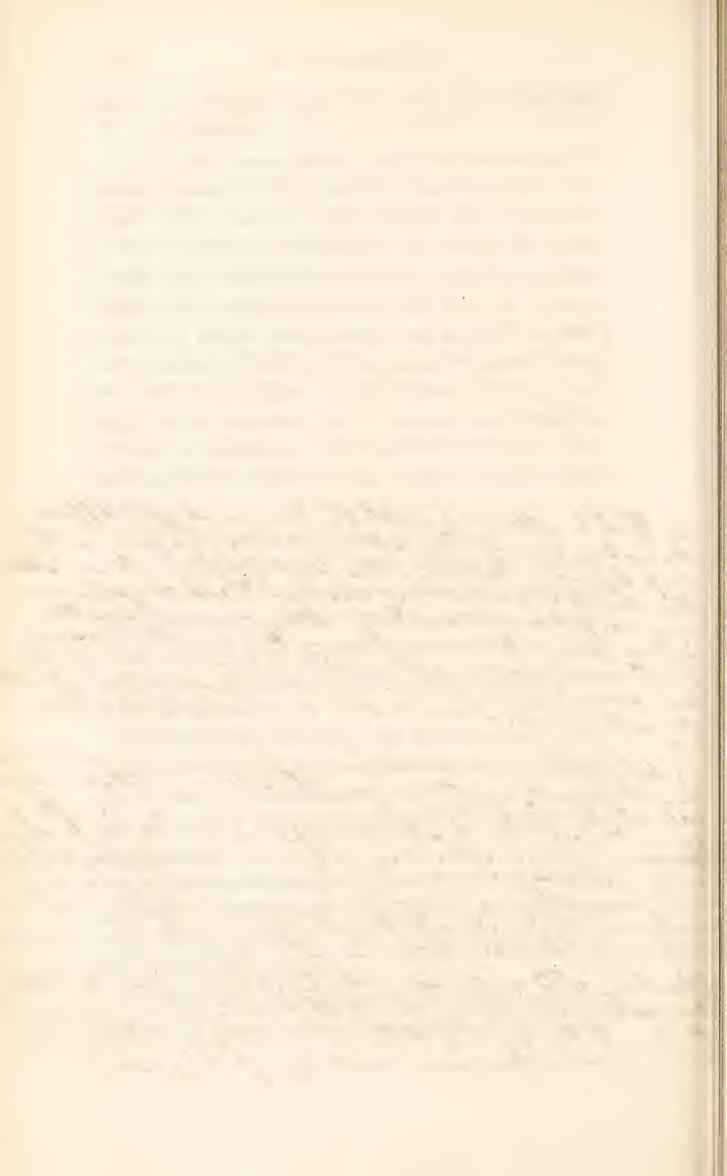
A. To lessen or remove as far as may be, such exciting causes (573) as continue to act,—by cooling or mild purgatives;—laxative articles of food, especially of the vegetable kind;—regular habit of going to stool;—Mercurial preparations, either cathartic or deobstruent as the case requires.

B. To diminish the bulk, and allay the pain of the tumours,—by Leeches,—puncturing:—Aq. Plumbi Acet. Comp.—Fomentations:—Opiates internally and externally; Extr. Hyoscyami;—Cataplasma Fol. Belladonnæ.

C. To restore tone and vigour to the vessels which had been over distended, or ruptured,—by local cold bath,—astringent lotions, &c. of Alum, Sulphate of Zinc, Galls, Oak-bark, &c.

580. Remarks upon certain articles of the stimulant kind which prove particularly beneficial in chronic

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—Management necessary when the rectum is prolapsed.

—Circumstances under which extirpation of the tumours becomes adviseable.

OF SCURVY.

581. Origin and meaning of the name.—Scharbock, Teut.—Vague and dissimilar ideas attached to the term Scurvy as often used in common, and not unfrequently in medical language: its strict and proper meaning.

582. General Character. Debility, lassitude, and dyspnœa,—with fœtor of breath,—spongy swelling and bleeding of the gums,—livid blotches on the skin,—swelling and hardness of the legs, contraction of the hams,—dejection of mind,—and faintness, or even syncope upon exertion;—without fever.

583. Detail of symptoms marking the several stages, and most aggravated degrees of the complaint;—and description of the morbid appearances exhibited on dissection, accounting for the variety of circumstances observable in individual cases.

584. Predisposing Causes. Original constitution, often marked by tendency to corpulence,—very generally by sluggish disposition of body, and inactive desponding turn of mind.—General debility from preceding illness of any kind.—Disease of the chylopoietic organs especially.

585. EXCITING CAUSES. Diet affording unsuitable kind, or inadequate quantity of nourishment; but particularly salted or corrupted animal food, with defect of fresh esculent vegetable matter:—scanty supply, or bad quality of water.—Coldness of climate, season, or sitya-

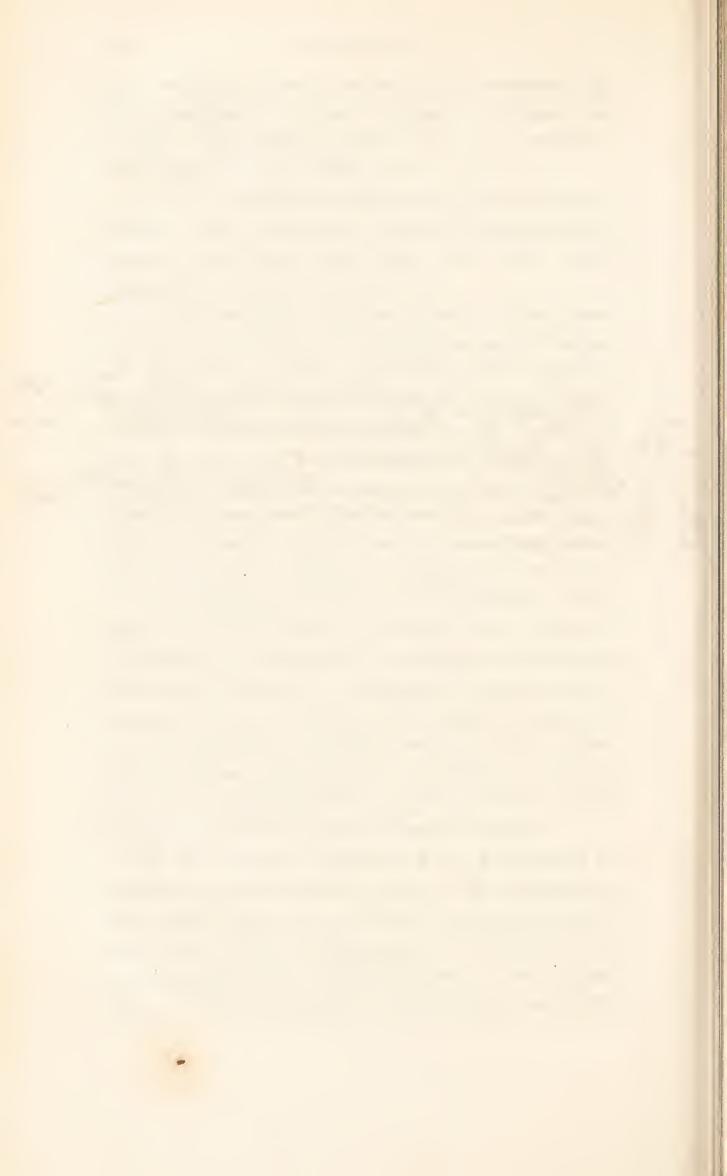
tion,—especially when combined with moisture, and foggy atmosphere.—Excessive fatigue,—or idleness and inaction. — Depressing passions.—Foul air, especially from stagnant water, marshes, &c.

586. Why this disease little known to the Greeks and Romans;—why particularly frequent in extra-tropical climates, and during long voyages and cruises;—and why much less so now than formerly.

- 587. Account of the different theories which have been offered to explain the phenomena of the disease, and determine its nature; particularly with respect to its being primarily a disease of the *fluids*, or of the solids.

 —Oldest theory,—putrid ferment:—Dr. Lind's;—laxity of solids, and putrid tendency of blood:—Dr. Macbride's,—deficiency of fixed air:—Dr. Cullen's,—imperfect state of the animal mixt:—Dr. Milman's,—gradual diminution of vital power in the muscular fibre:—Dr. Beddoes's,—deficiency of oxgygene in the system.
- 588. Examination of these,—the objections to which they are respectively liable in particular cases;—and view of the disease as arising under very different circumstances with respect to food, &c.—with general principles which embrace the several varieties of the complaint, and lead to their appropriate and effective means of cure.—Illustration of these principles by a comparison of Scurvy with Hæmorrhæa petechialis, and the particular mode in which the latter has been successfully treated.
- 589. The general indications are,—A. To avoid or diminish as much as possible such of the predisposing and exciting causes as are known to exist in the particular case.—The vast importance of this both in the prevention and cure of Scurvy, shewn, in the striking difference between the state of Lord Anson's and Cap-

587 Slinds were of its being owing & landing of the solids is generally believed but well that there is any heating formand in the Holord. It is the entires of St. Hinks with & Milman that it is the entires of the Body that one distended, this we look for it this the income oyotime.





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tain Cooke's ships' companies, during their respective voyages round the world; with a detail of the several means employed by the latter, under the heads of—food,—drink,—clothing,—labour,—exercise,—amusement,—cleanliness,—subordination, &c.

- B. To attend to, and correct, the morbid condition of particular functions and parts which take place more remarkably in some individuals than in others.
- 590. Observations on the functions of the Skin, Intestines, and Kidneys, in Scurvy; and on certain remedies which have been occasionally employed in aid of the general antiscorbutic plan (589), for relieving urgent symptoms, and expediting recovery;—under the heads of diaphoretics,—laxatives,—and diuretics.—Of the earth bath, and its operation.
- 591. Remarks on particular articles which have been proposed as adequate to the cure of Scurvy under a defect of fresh acescent vegetable matter:—e. gr. Mineral acids;—Nitre?—Vinegar;—sour Krout;—crystallized Citric acid;—Wort;—Spruce Beer;—sour flummery or Sooins,—Quass.—Dried vegetables? &c.—malted Barley, Gramm, &c. with the testimonies for and against them.
- 592. Remarks on the external treatment of Ulcers when occurring in actual Scurvy, or in a scorbutic diathesis.

OF DROPSY IN GENERAL

593. DEFINITION. A preternatural accumulation of serous or gelatinous fluid, in the cellular membrane, or in other cavities of the body.

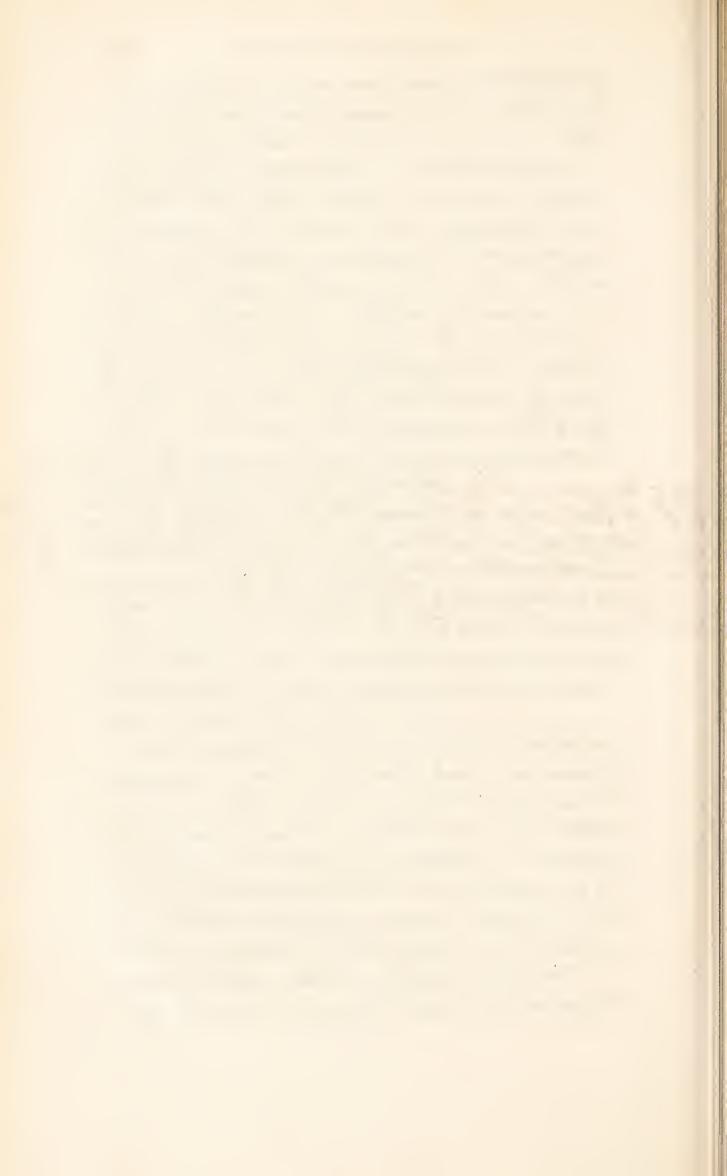
594. Division of dropsy into Genera according to its source, with their allusive names and derivations; e.gr.—(1) in the cellular membrane, Anasarca; Syn. Sub-cutaneous,—intersticial,—or diffused dropsy:—(2) in the cavity of the abdomen, Ascites, or peritoneal dropsy:—(3) in one or more preternatural sacs, Encysted Dropsy,—and this often Ovarial dropsy:—(4) in the chest—Hydrothorax; Sp. Hydrops Pleura,—Hydrocardia,—Hydrops pulmonum:—(5) in the head,—Hydrocephalus, Sp. H. externus,—H. internus,—or, Hydrops Meningum, and Hydrops Cerebri:—(6) in the cavity of the scrotum—Hydrocephalus:—(7) in a joint,—Hydrothorachemia:—(8) in the eye,—Hydropathalmia:—(9) in the spinal theca,—Hydrorachitis, Syn. Spina bifida.

595. Account of the antagonist, yet allied functions of the EXHALANTS and ABSORBENTS; proving, that every dropsical complaint depends immediately upon—A Loss of Balance between these two Sets of Vessels.—Enquiry how far the one, or the other, or both, be generally in fault; and reasons for concluding, that the morbid condition exists generally and chiefly in the Exhalants.

596. PREDISPOSING CAUSES. Original constitution,—sometimes general, sometimes local;—occasionally hereditary;—often marked by a lax and sluggish state of the nervous and muscular systems, with a pale doughy complexion, and tendency to corpulence,—answering to the leucophlegmatic habit of the ancients, and by them referred primarily to a morbid condition of the FLUIDS:—arguments for and against the humoral pathology of dropsy.—Bad air.—Damp atmosphere?

597. EXCITING CAUSES. Scanty, poor, or indiges-

595 he finally find that in all thous to the south of following of the flein is attained, therefore hat can the about, but had can the about, here it to an increased without of the should enterinely attribute it to an increased certain of attribute it to an increased certain of the Se halants.





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Sudden refrigeration, especially when previously overheated and fatigued:—Excessive loss of blood;—Profuse discharges of other kinds.—The operation of these several causes illustrated by striking examples, and by the experiments of Dr. Hales, and Professor Schultz:—and reasons why loss of blood more particularly induces dropsy.—Preceding diseases, especially Fevers, and Inflammations:—marked locality of their operation in many instances:—why Intermittents in particular, often bring on dropsy, and especially Acites.—Mechanical injuries, as blows, sprains, &c. often cause local hydropic effusion.

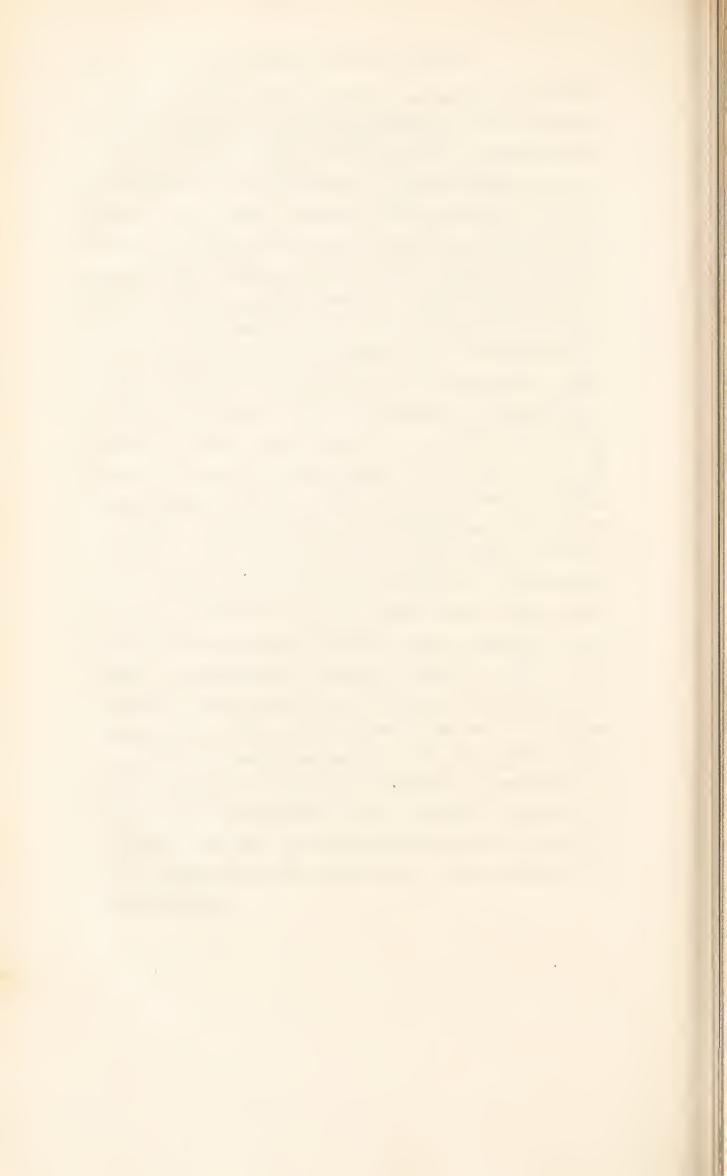
598. Suppression of natural or customary evacuations; as of Perspiration,—Urine,—Menses,—Hæmorrhoids, &c. The mechanical and humoral operation of these objected to, and their influence explained in a different way:—with reasons for believing, that they are oftener consequences, perhaps, than causes, of the morbid derangement which is succeeded by dropsy.—Depressing passions; the mode in which they bring forth the particular morbid tendency, pointed out.—Abuse of fermented and spiritous liquors: their modus operandi.

599. Obstruction to the free passage of the blood—alone sufficient to produce dropsy, beautifully illustrated by the expt. of Lower:—why compression of both Arteries and Veins, and even of the Arteries alone, should have the same effect,—explained in various examples, both of local and general dropsy.

600. Of the kind and degree of inflammatory action which especially terminates in hydropic effusion,—and the parts where it oftenest takes place; elucidated by cases and dissections.

601. GENERAL PROGNOSIS,—requires an extended consideration of the age, and constitution of the patient, —the variety and degree of the causes,—the symptoms and duration of the complaint,—its being simple, or complicated with other disorders.—Universally, however, the less the tone of the system is impaired, and the blood impoverished, the sooner and more completely will the disease yield to proper remedies: whilst the disease that occurs in advanced life,—in a leucophlegmatic habit, and is brought on by intemperance,—or connected with organic disease of the heart, lungs, liver, ovarium, &c. medicine may relieve, but will seldom cure.—Women said to be oftener cured than men; considerable exception to this:—and short persons oftener than those of large stature.—Unfavourable signs,-progressive wasting, -purple or livid blotches, or erysipelatous eruptions on the skin; -feetor of the breath; -hæmorrhage from the nose, mouth, lungs, stomach, or intestines; -drowsiness; -constant feverish heat and great thirst, unless these proceed from heating medicines, and abstinence from drink: - spontaneous diarrhœa without relief: - the swelling, when reduced by medicine, returning quicker than before. - Favourable signs - absence of those just mentioned:—the pulse being steady, not quick, and of good strength;—the deficient excretions, especially the Urine, and Perspiration, being sensibly increased by remedies not very powerful in their kind.—Conclusion to be drawn from the consistence, colour, &c. of the effused fluid.









OF ANASARCA, OR INTERSTICIAL DROPSY.

602. CHARACTER. Diffused swelling of a part, or of nearly the whole body, having usually the ordinary colour of the skin,—easily receiving the impression of the finger, and retaining it for some time;—shifting its situation more or less according to posture, and generally occupying the most dependant parts.

603. Division of Anasarca by Nosologists, into different Species or Varieties, according to its alledged

Cause.

604. Of the parts in which it generally appears first, —its progress,—attendant symptoms,—and the modes in which it proves fatal.—Frequent difference in the quantity, colour, &c. of the urine, between this and other dropsies, and conclusions that may be drawn from it.

605. DIAGNOSIS. How distinguished from Leu-

cophlegmatic Obesity, and from Emphysema.

Ascites or Hydrothorax, follows the event of the primary disease; but if idiopathic itself, is commonly obstinate, unless where it succeeds to Scarlatina. Has occasionally been removed by fever supervening; and in a few instances by spontaneous oozing through the pores of the skin.

607. Some account of the Beriberi, an acute and destructive disease, almost peculiar to the East Indies,—attacking more especially the Sepoys and Lascars,—presenting a singular combination of spasmodic, hydropic, and paralytic symptoms,—and occasionally those of

Scurvy also: with conjectures respecting its cause, and suggestions for its treatment.

608. Description of a particular species of Œdema attendant upon Hepatic disease, occasionally observed in this country, but unnoticed by authors.

OF ABDOMINAL DROPSY.

609. Division of this into Ascites, or Peritoneal Dropsy—and Encysted Abdominal Dropsy.

610. CHARACTER OF ASCITES. A uniform, tense, and nearly inelastic swelling of the belly, accompanied with fluctuation.

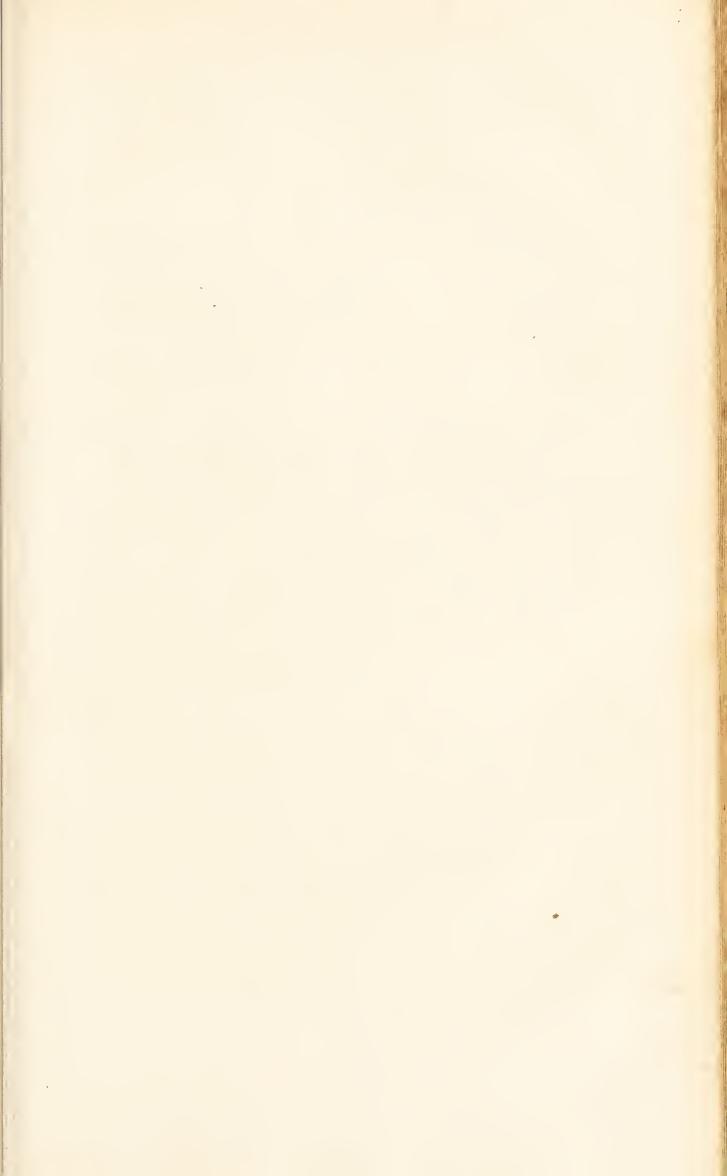
611. Symptoms generally ascertaining Encysted ABDOMINAL DROPSY;—the swelling in the latter being at first local, -often attended with pain; -fluctuation being obscure or altogether imperceptible;dragging uneasiness on turning in bed, &c.

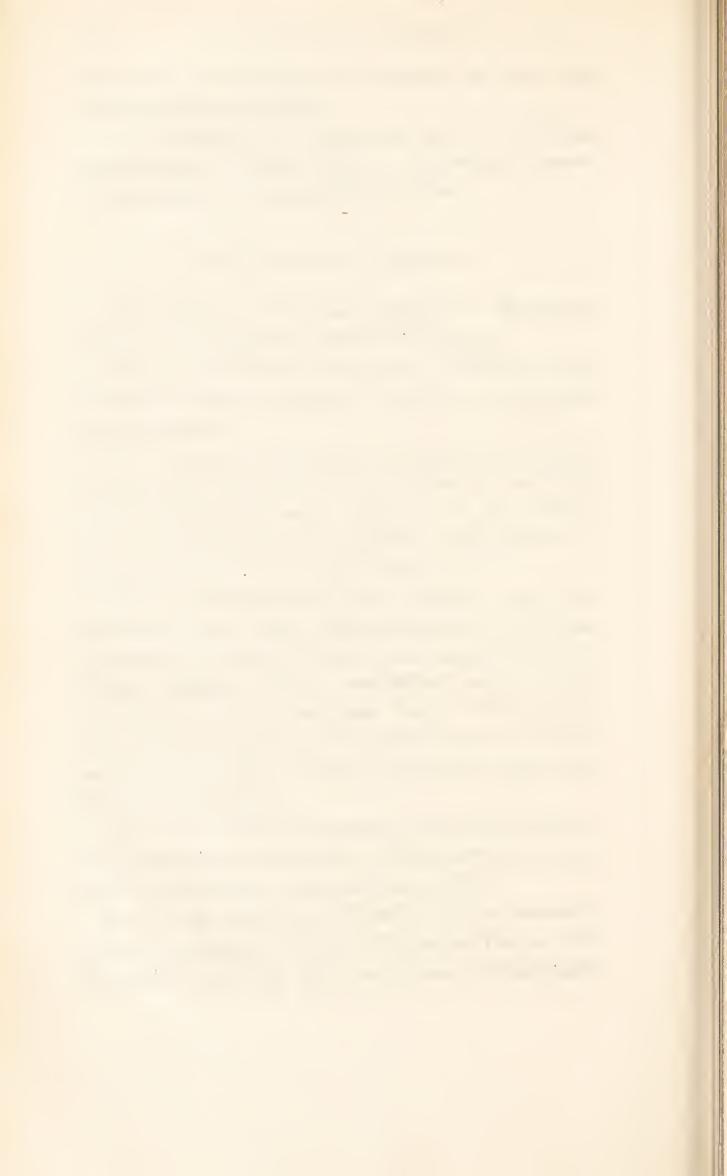
612. Of the parts in which hydropic cysts most commonly occur; -their different structures in different instances; -Proofs of the animalcular nature of hydatids (Tenia hydatigena, LIN.): and difficulty of accounting for their presence in the living body.-Why encysted dropsy more frequent in women than in men :--why generally fatal at last; and why more slowly so than the other forms of dropsy.

613. Under what circumstances Ascites and Anasarca are simultaneous or successive. - Modes in which Ascites

and Encysted dropsy respectively destroy life.

614. Of the delicacy and difficulty which occasionally attend the diagnosis between Abdominal Dropsy and Pregnancy: and of the marks which serve to distinguish







616. If Difficulty of Breathing is produced on medicate my from to to to you was quivally consider that the Patient with the bowns within They dentitionare.

them.—Fatal effects from mistaking enlarged Liver, Spleen or Kidney for Ascites, and performing the operation of paracentesis.

OF HYDROTHORAX.

- 615. Symptoms which usually attend it;—shortness of breath;—paleness or purple hue of the face;—difficulty of lying in a recumbent posture;—frequent, sudden, and spontaneous starting up from sleep, with sense of suffocation, and palpitation of the heart;—paucity of urine;—cedematous swelling of the lower extremities.
- 616. DIAGNOSIS. Difficulty of determining the existence of Hydrothorax in general; and still more the particular part in which the fluid is collected: necessity for this purpose, of minutely investigating its rise and progress,—the preceding as well as accompanying symptoms,—and the collateral circumstances of constitution, age, habits of life, &c.
- 617. Method recommended by Hippocrates for detecting water in the chest;—deception to which it is liable, illustrated by a case:—and danger which may attend the trial. Test proposed by Avenbrugger; and its improbability shewn.
- 618. THE PROGNOSIS IN HYDROTHORAX generally unfavourable, and why:—instances, however, in which a partial or complete recovery took place, under the most unpromising symptoms.

OF CHRONIC HYDROCEPHALUS.

619. Division of Hydrocephalus into two distinct and widely different forms of disease, viz. the acute and chronic.—Reasons for considering only the latter under the general head of Dropsy, and for treating of the other separately.

620. CHARACTER. Obvious and uniform enlargement of the cranial vault in young children, with defective essification of the bones, and consequent openness

at the sutures.

621. The disease usually connate, perhaps congenerate. Examples of it in the early feetal state.—Progress of the complaint, and the effects it produces.

622. Appearances on dissection; — and difference between the seat of this, and of a species of Hydrocephalus

often terminating the life of insane adults.

623. THE PROGNOSIS. Why universally unfavourable.

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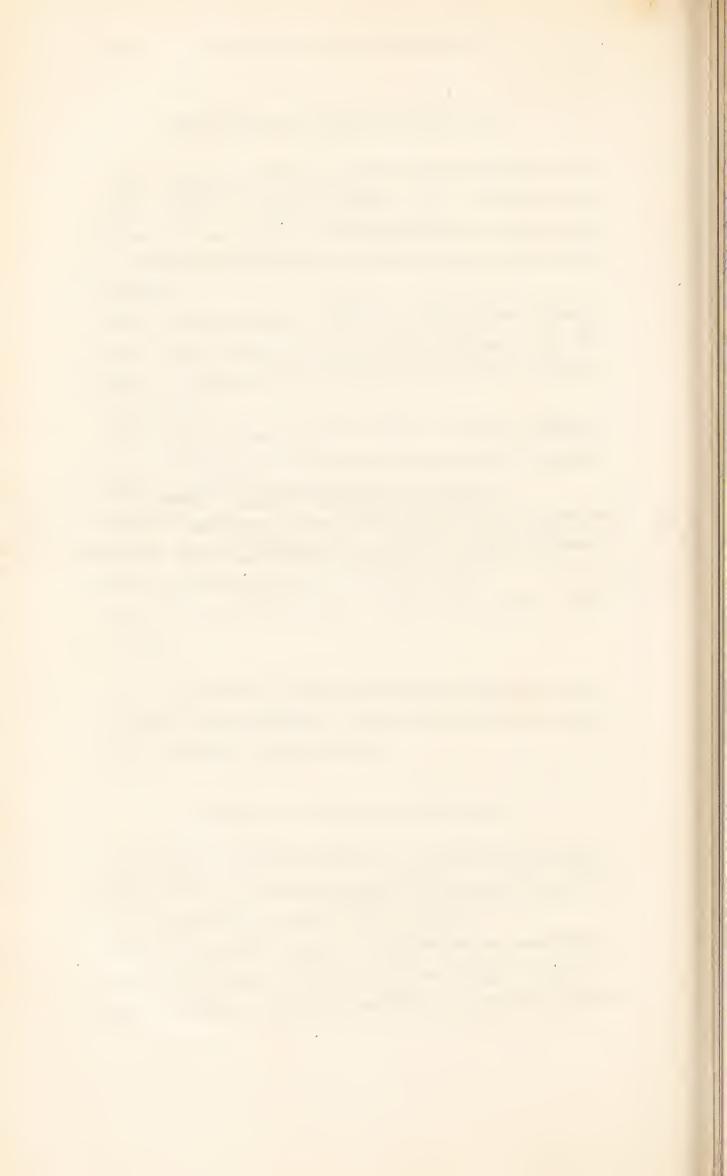
624. Hydrocele, Hydrorachitis, and Hydropthalmia, as falling almost exclusively under the Surgeon's management, referred to another place.

GENERAL CURE OF DROPSY.

625. The indications are—A. To remove the effused fluid;—B. To obviate the causes which gave rise to it;—C. To prevent a return of the disease.

626. The fluid may be removed either indirectly, through the natural excretories of the body, as the Stomach, Intestines, Kidneys, and Skin, by means of their

22. We generally find that there is efficiented of the bound of himsely distinded, I'm as seen an instance where it was not thinker than been been thanker than



The this come were coment, when it is not owney of the Disserse, with it there is went to the fitten is went of the the the id the strend westered is a very food I withis.

626 Wingenmatty em ridered an a doubtful remedy, Kis awardly condamned, Shere this courses Do with deficiency of firentation twenthref of the Ishalants it cutacaly would be in proper. but when it commences with increase offerentation marked by aguista thend Pulse, With arrives from expromere seeessay and with to found Dictive the sympton but it imed be employed withfaution. the best Purjative. Claterium is now active then Salap, but it righter the system too wouth, the best way of giving it is y houftenobled down with the fighted of contain accommon for the hours! avery sond countine ation accommon for of factive is the fortune the fortune way for of factories, the fortune surary also be tutin largely between to the trater for hoter ordinario.

in the ordinario.

in the sold of the lawour Drawn tight no the fluid is removed by Perrying. 629. When there is words deverish heat, butter and the alien Direction on be proper, but when there is much coldered, & Vorpor the stimulating Dime as horsonadas ha in combucation of quiles Haystals of Jostan given in the hopes folouber luap. By has found attremely useful in obstinate forms. By Falis like Folour onecess but in the Frydrefice Druthing or Mur this produced be relaxation of the Exhabants, it is not me copy any for inthe wile les afficient Egen adon about horiende When there is a deficiency of Bili thew Kali with hofus but for will be for the the least outflying the place of Bile Athe former correcting accidety.

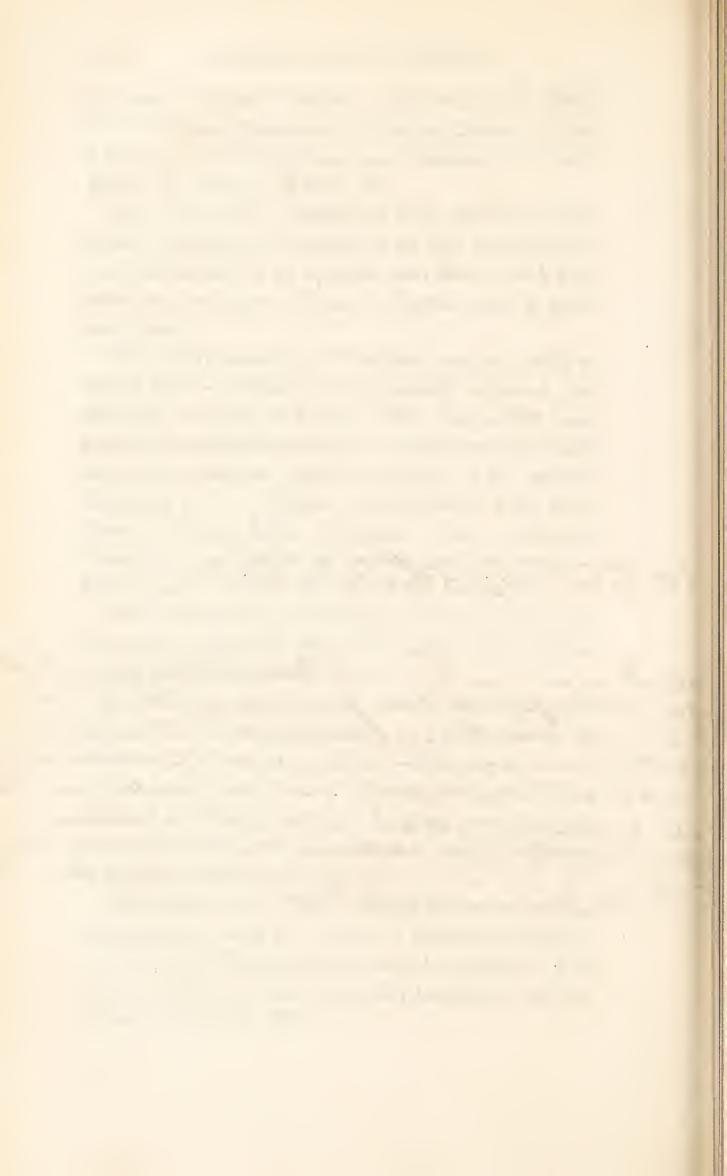
Corresponding evacuants, viz. Emetics,—Cathartics,—Diuretics, and—Diaphoretics;—or directly, through new outlets produced by Punctures, Blisters, &c.

- 627. EMETICS; their great antiquity in the treatment of dropsy;—drastic ones much used by Sydenham;—uncertainty of them.—In what cases they are indicated;—in what dangerous.—Choice of the kinds adapted to the particular case.
- 628. Cathartics; are among the most powerful anti-hydropics:—their use generally proportioned to the quantity of fluid discharged. Why more effectual in Ascites, and less so in Hydrothorax, than in other kinds of dropsy.—Rules for their management.—Individual articles.—Pulv. Jalapii Comp.—Pulv. Scam. cum Calomelane.—Gambogium.— Elaterium.—Pil. Nitratis Argenti?—Saline Cathartics,—Supertartras Potassæ.
- 629. DIURETICS, generally indicated, but often disappoint expectation, and of themselves rarely adequate to a cure.—Accurate comparison of their powers much wanted.—The kinds indicated under certain circumstances.—Particular articles;—Squills, and its combinations: - Colchicum; its uncertainty and frequent failure,—Lactuca Virosa,—testimony of Collin and Stoll in favour of it; - probable mode in which it operates. -Bacher's Pills.—Cuprum Ammoniatum, et Sulphas Cupri.—Nicotiana;—difficulty attending the rationale of its operation.—Digitalis; striking opposition of testimony respecting it; -attempt to explain its diuretic effect upon a new principle:—management necessary to render it safe. - Opium? occasionally operates as a diuretic.—Diluted acids, and mild saline neutrals;—Nitre, -Acetas Potassæ, &c.-Stimulant Diuretics; Tinct. Cantharidis,—doubts and cautions respecting its em-

ployment.—Infus. Sinapeos, Armoraciæ, et Dauci Sylv.—Decoct. Petroselini, cacuminis Genistæ, folior. Cynaræ, &c.—Turpentines and Balsams,—Cerevisia Pini,—Aq. Picis;—Æthers, &c.

- 630. DILUENTS. Abstinence from liquids long strenuously inculated;—discovery of its bad consequences, and great benefit of an opposite plan shewn both from principles and facts.—Kinds of diluents suited to particular cases.
- 631. DIAPHORETICS. The skin a copious outlet of watery fluid;—its function very generally impaired, and difficultly restored in dropsy. Why diaphoresis most useful when indirectly obtained.—In what cases especially indicated.—Cautions against forcing it, as the ancients attempted to do.—Means,—Baln. tepid.—Pulv. Ipec. Comp.—Vinum Antim. Opiatum,— Liq: Ammoniæ Acetatis, &c.—Methods of exciting local diaphoresis,—Vapour bath,—Oiled Silk,—Cabbage Leaves, &c.
- 632. The quantity of discharge by Expectorants too small to encourage their use for the purpose of evacuating through the lungs.
- 633. FRICTION,—anciently much employed; why perhaps too much neglected now:—Testimonies in its favour.—Its operation explained:—adjuvants to it.
- 634. ELECTRICITY,—a powerful excitant of Nervous and of Vascular action. In what cases likely to prove serviceable;—in what useless or hurtful.—Modes of it suited to different cases.
- 635. MERCURY. The universal operation of this remedy shewn; and the variety of indications which it is capable of fulfilling, pointed out and explained.—The cases in which it is more especially beneficial, and the proper management of it.

32. His in per cases that we should say Incition was suffered with the asoful it should be forguently repeated higher heris. I have a cased where there is not truetion to the aturn of blood with human from Celous represends with for own it notions and die of durpention with be the best adjustent to be in much front of the body at the same time. In a soite it any much fourth of the body at the same time. In a soite it any who will be in any of the same time. In a soite it any on the same time. In a soite it any on the same time. In a soite it any on the same time. In a soite it any on the same time. In a soite it any on the same time. In a soite it any on the same time. It as it is in the same time. It as it is in the same time.





636. of the to be useful honorido be employed early. he hydrothoux this world, nest or in ausanea, it is as touishing the quantity of fluid that cocapes from a por punctions in the cellular enembrare and the relief afforded, but their again rouses inflame is very leather to the freative viele be the danger. S.B. becomes affected and the foregoing Remodies have becomes ineffectually. When a Patient is one or much exhausted it with he weleto any to prov heir a virall quantity of any otic mulies. This is air a son whey Para cuties should will be confloyed on one order of the theot beshould begin here there a little below the owilling and from I fluid accumulates lower, when hiftan takes place the dischar with stop, we arest then however ever to thours. 687 amore fulto way of from a enja discharge is by captures the limbsen flamuel, roed which dillis is of flies, this act as a verhour Bath, the Flewell indus. 639. By continuing alkalies with Fouries we that ust only Keep up theid me of the vyrteen, but also produce a Vischer in weakly constitutions we are obliged to have recovered to with the see II Pitti with the sample Pretters.

EFFUSED FLUID (625);—Paracentesis in Ascites;—its early use often injurious; mischief on the other hand from postponing it too long:—under what circumstances it should be had recourse to. Management necessary during and after the operation. Doubts respecting its employment in hydrothorax:—why inadmissible in hydrocephalus.—Dangerous proposal of injecting liquids into the thoracic or peritoneal cavities.—Puncturing in Anasarca;—necessary cautions respecting the part, the mode, and the circumstances of the case, in which it is performed, so as to avoid inflammation or gangrene.

637. BLISTERS, OR EPISPASTICS;—the discharge by them often very great without vesication, and always stopped when inflammation supervenes:—application of

this to regulate the mode of using them.

638. To fulfil the second indication (B. 625), not only necessary to avoid or diminish such of the external exciting causes as may still continue to operate, but also accurately to investigate the internal cause or causes immediately occasioning the loss of balance between exhalation and absorption; e. gr.—(a.) general debility operating more especially upon the Exhalent vessels;—(b.) weak inflammatory action (600);—(c.) obstruction, from congestion of blood, from torpor, or from change of structure, in any considerable viscus, as lungs, liver, spleen, &c.

639. Means adapted to (a.)—Tonics of various kinds, particularly the simple bitters, variously combined with alkalies, acids, stimulants, chalybeates, &c. accordingly as the circumstances of the case may require.

640. Means suited to (b.) and (c.); -blisters; -Mer-

cury, combined with Opiates, and Antimonials;—Cicuta,—Extr. Taraxici? &c.

641. Remarks upon the general treatment of dropsy;
—the diet and regimen suited to the circumstances of the case;—and the means likely to prevent a recurrence of the disease.

642. A due attention to the principles delivered above, will readily point out the particular means especially adapted to the individual kind (594) or species of dropsy.

OF ACUTE HYDROCEPHALUS.

643. Reasons for considering this disease separately and particularly.

644. Syn. Hydrocephalus internus, Whytt;—
Apoplexia Hydrocephalica, Cull.—Hydrocephalus
acutus, Quin.—Phrenicula, Rush.—Hydrocephalitis?

645. CHARACTER. Anorexia, — lassitude,—heaviness, and pain of the head, and intolerance of light,—accompanied with febricula, costiveness, and vomiting,—and followed by unusual slowness of pulse,—dilatation of the pupils,—strabismus, and restless somnolency, or stupor: chiefly attacking persons under puberty, and more especially children.

ease usually commences and proceeds,—and occasional variety in the number,—order,—degree,—and duration of the symptoms,—according to the age, constitution, &c. of the patient;—reconciling the dissimilitude of individual narratives, and accounting for the opposite ideas of those authors who have framed a general character from a few cases, or adopted theories respecting its nature and proper mode of treatment in the early and perhaps

to Local Bleiding is the only means we can herve accourse In advicing reflam cution; the application of Polistees le be forted mon areful: LB. wite ormetours only be. was tapeous when to blowed by on ale dones of housing with Diaph on Dewaleis as the Pil Willafort. her we wish to produce the Divertie effect of faragacions a must five the fresh price therefore in the form of Bresc. brubelate has been betely entroduced, it wise be careful Atteste where the darray is verdicated. 43. do it is murada following wints hefrant 46. his more of of outer according to the degree of Ofrificain of the Crawium: If the Sutures me not formed the suptous are very rapid in their peop is. We ferreally fried that there is oto bonate a stickets I it is commonly accordenced with more dison duch beliany ogo tem, then any other discuse except that of. on an etille

for fremish colour revenibling springen Lower touchers cularly facted odorna and an luna lever i we tried the but it send his remembered theet you may of a healthing Still tigo this established a done d. Calvant.

6217 In the fish you never the constitution of the tounder and countries on the secure the meaning proat difficulty of breathing te. of the desired and quiether of the Pulse, alternate while & collegications sweats de S-13ogundens the eyes our venely on orbin to high in the Stricter of Breathing resembles the life of Breathing resembles the life of the 6402 D. B. has found on taking of the veuble cap, tenjercen so of the seprels of the Bree a Rester and multimes a deport of gellections, out. · Name on the buendrumes, tinte no thechery them. & particulational accumulation of Jones in the country of the venturiles, wany moderably in quantity, sometimes only an ounter at attiers go much as to bis time the enticles exceedingly; Octor winesed verocertarily of the redulew oblingation, a referred of couperlatte lyngth and and prequently the colonn I this hart alland. The character of the one ollected in the bentieby defference from commen our inverther capiel that with conquicating Del las formed the Brain former than would



only curable stage, from the manner in which the disorder fatally terminates.

- 647. Striking changes of symptoms in the progress of the complaint, dividing it into three distinct stages,—1st, of irritation,—2dly, of oppression,—and 3dly, of ineffectual reaction.
- 648. Account of the morbid appearances after death, explaining the circumstances of par. 647;—with strictures on the propriety of the different names (644) that have been given to the disease; and a new one offered: PARAPHRENITIS HYDROCEPHALICA.
- 649. PREDISPOSING CAUSES;—A peculiarity of constitution, evidently allied to scrophula,—often hereditary,—and usually marked by irritable and delicate frame of body, acuteness of intellect, and liveliness of disposition,—and sometimes by a peculiar form of the head: Imperfect convalescence from Scarlatina, Measles, Small Pox, Whooping Cough, &c.
- whatever can produce considerable pyrexia of the inflammatory kind, in children predisposed to the disease, e. gr. sudden refrigeration;—the irritation of teething, and of worms, especially if attended with convulsions.—Bilious vomiting and purging suddenly checked.—Disease of the brain itself, from blows, falls, &c. or from scrophulous or other tumours formed within its substance.

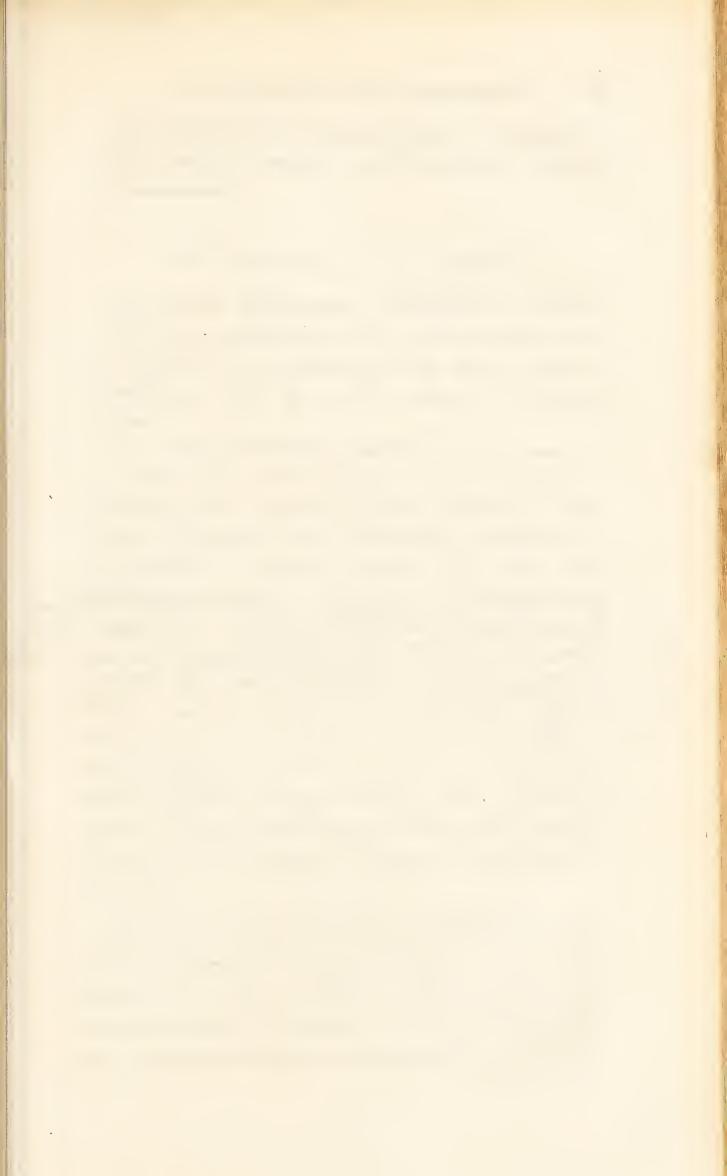
 —Other causes alledged, but less obvious in their operation, e. gr. suppression, or spontaneous metastasis, of Tinea Capitis, and of other eruptions,—healing of old ulcers, issues, &c.
- 651. OF THE PROXIMATE CAUSE. General view of the disease, and comparison of it with Phrenitis in adults (300),—leading to the conclusion (supported by

the means of cure acknowledged to be the most effectual), that the affection of the brain, though the immediate cause of death where the case ends fatally, is yet, in general, only A Consequence of inflammatory Irritation; with diminished or altered Function, of the Liver.

- 652. DIAGNOSIS. Difficulty of distinguishing this disease in its early stage, from the febrile state occasioned by Dentition or by Worms,—owing to their having many symptoms in common:—circumstances in which they agree;—others in which they differ; and importance of a timely discrimination to the safety of the patient.
- 653. PROGNOSIS,—even in the FIRST stage (647) doubtful;—in the SECOND very unfavourable;—and in the THIRD uniformly hopeless.× Particular circumstances denoting one or the other of these.
- 654. TREATMENT. This, to give a tolerable chance of success, must be decisive,—be entered upon early,—and pursued with vigour. The chief indications are—
- A. To diminish the inflammatory action of the brain directly, by venesection, leeches, cupping, blisters, and digitalis,—according as the symptoms are urgent, and as the case partakes most of the *tonic* or *atonic* form.
- B. To take off congestion or irritation from the Hepatic system, by the use of purgatives, but especially by the employment of Mercury, so as to empty that organ, and to restore its free secretion and excretion.
- C. To aid these (A and B) by the use of—Opiates,
 —Antacids,—Diaphoretics,—Diuretics?—&c. &c.—
 Directions for the management of these means respectively.

51 De Bati ad with that the hovers affected, but can-A be considered as the granning course of the Discuse Non Mil of M In the Fiver to wheth Miloren are particularly herble you will have their peculiar affection of the Head Should in to make us considered in our decision; but if be fiver organically find that a done of any thence. of har atrive will receive it. When we fried the Dach extremely a cuito, and coming on in horagion may generally conclude that it is symptometic of and the very word cures recover. 24. a. If you are called in at the commencement is of an enguing with the other of the case you haid? one of free hydrocepts: and your Parlend is of The Exportion Druthesis, you old break it the band a commen hopean ? The quantity of blood to be taken away must be yellated by the age, sex, and state of the Patient. You have he fail by Capping glasses to the april the best. Ha stile more and varies herior and April it to be a Pater & of greater constitutional over . Inew blood from the arm to the amount of 3x-xig . wer will. 3. Avecusiden their as one of the most unfratail to best form of merenny is Calonul and if it he strought formed and if it he southerness and must all some fully spenier among in Cam bogs sentituthe Bowles and puly spenier of the strong in Cam bogs sentituthe Bowles are puly spenier of the strong in Cam bogs sentituthe Bowles are puly spenier I take of the engestion in the Head, Cold affers who wasful, also the application of cold every roraolord in hater with the addition of conde sal aux erre are may he out totated: of hite Zij: hun: of amunis . Motor lop. to por an Evap: Lotion. of Julph. athon 3/2. you Bijs Nove Water Big on this whing of water. Wild the wine. Up of bull ather the

In all the to employing mercury as a Parfative it may be given in continuation with tal tide to act in the 140 tun. This practice is no frist tried by Deferein thurteen freezally followed. When water is collected in the benticles it has not only here frien and done of 2.3 ort gro were four hours lout the Mere! And with his her applied to blistered surfaces to produce its offerts were open its. If you counder this conflaint of the Expect Tha: enerter Digitalis of heurs to be that unid y wheit call be furticularly applicable, especially if the Batians be furticularly applicable, especially if the Batians be for with got and gradually increase it. So releved the nestee hours and distress in the tatte stages of the Liseuse, no remedies for duce to two or of has found advantigeous, as the rin to hart of a drucken of byrup of Poppiers, here queled the fratient in & humantis. A that been perfored lately to the the figular bein as Blowdie and be more readily procured than from the arm. Polipulus applicing this list the trape of the nech and attending average to the beach of the Great and Cold water our thinkly to the John of the dead . Phoword fruiter having reconstruction Purpos wetters their went for the north slow action of Dig steller Direction. B. When con weeted with arounding and purpose of freen Bile falor ency be given alone to heigh who are certificen the Proviles, but not purpias, or may be combined with a musting to preventi this. In the 2" stuft heavenry many be fever to with on the sys" ten joined with opinin & Diaphoreties. I The locare Buth has been prequently accounted, it with aleay Suntationand fried wer acopions heisper ation, it amen the combined with the remodies mentioned in The carly stiege of the Discuss. I when there is a consideran - He degree of Intation, as a halliative in conjunction with other removes, a & check the too operay when a how of huraccey when whibited is an alteration.



658 The Gastin fine popelses such autifultiscent properties, thut it has been surplinged by oran lastic entities to ite embition. and application to ite embition. and thereby induce a healthy appearance.

655. Consideration of the proposal to evacuate the effused fluid by puncture; and the necessary fatality of it demonstrated.

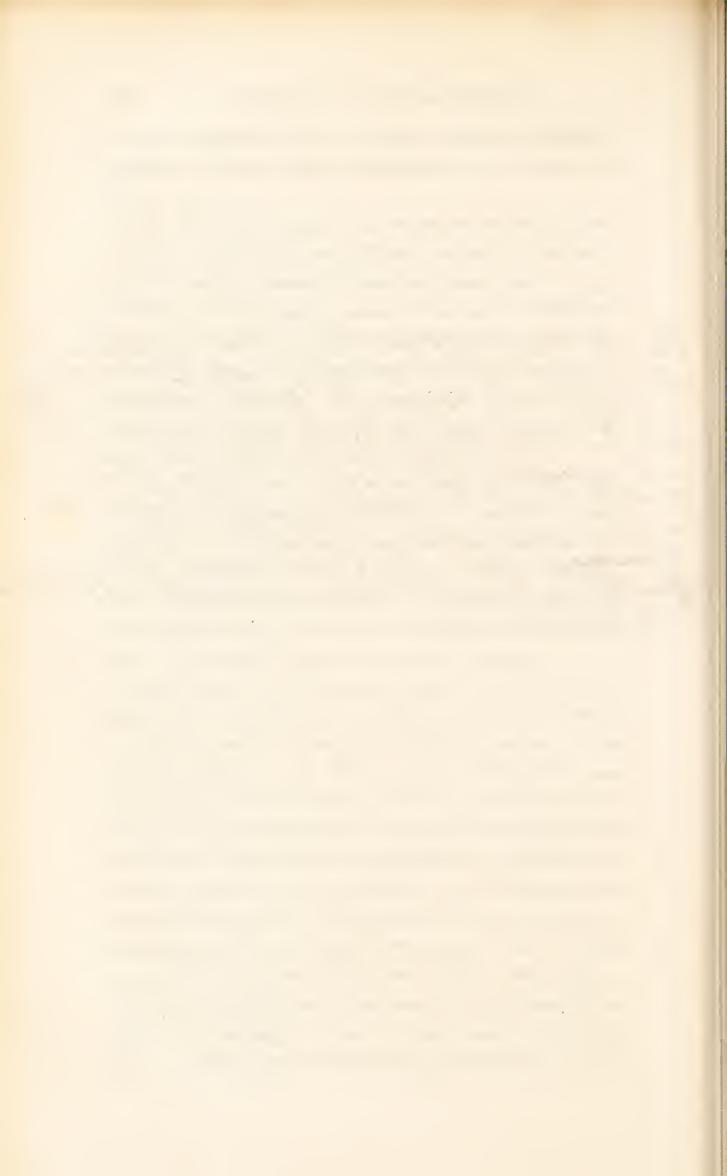
OF DYSPEPSIA, OR INDIGESTION.

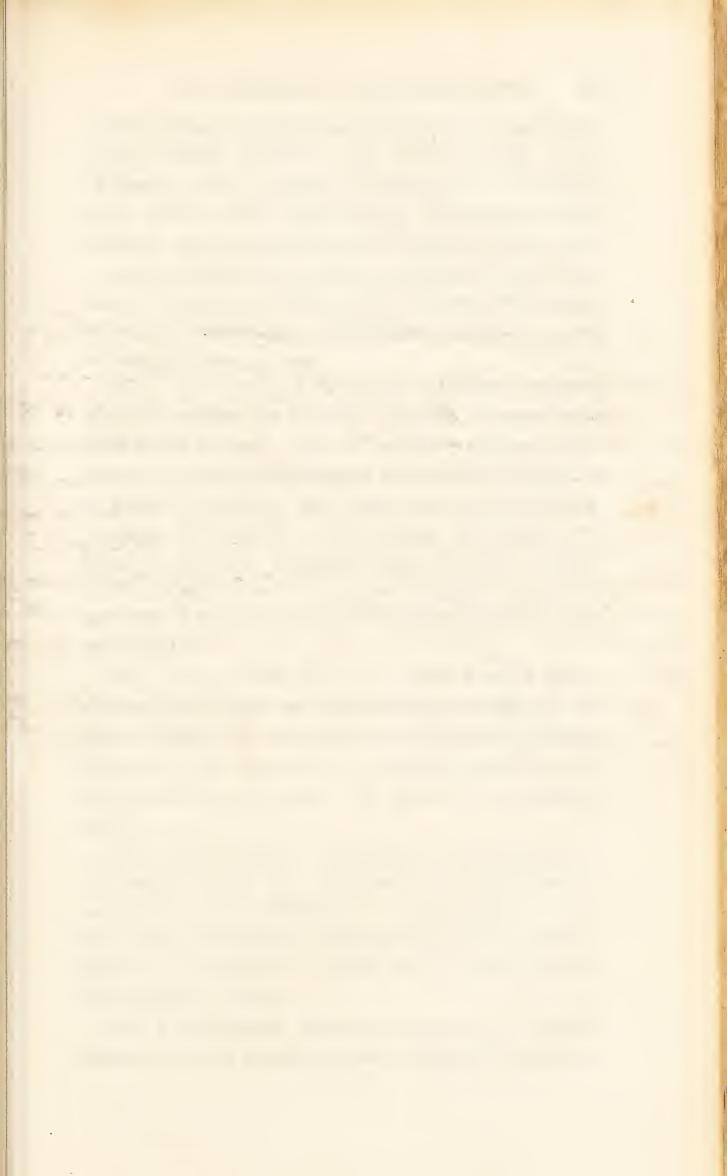
- 656. Syn. Bradypepsia,—Diapthora,—Apepsia.
- 657. Vast importance of the stomach shewn, as—the laboratory of nourishment,—the great center of Sympathy,—and the prolific source of multiform disease.
- 658. Short sketch of the functions of the stomach in its healthy state,—with reference to the Lectures on . Physiology for a fuller exposition.—Periodical recurrence of appetite or hunger differently accounted for ;is probably a compound sensation.—Processes which the food successively undergoes-of Mastication and Deglutition; - Solution and Conversion in the Stomach; extrusion thence in the form of Chyme; -junction with the Bile and Pancreatic Liquor; -formation of Chyle, and its absorption by the lacteals.—General remarks on the best established theory of digestion;on the qualities of the Gastric Liquor,-the appropriate food of different classes of animals,—the omnivorous nature of Man,—the influence of habit with respect to food,-and the remarkable cravings and antipathies of individuals.
- 659. General Character. Irregular, but commonly deficient appetite;—occasional craving, without relish in satisfying it;—apepsia, loathing;—nausea, and sometimes vomiting;—sense of load and distension after meals, followed by eructations of air, &c.—acid, nidorous, pungent, or insipid.—Mouth and fauces generally

dry, and tongue white, or yellow.—Bowels generally irregular, oftenest costive, sometimes lax, or each by turns.

- 660. The above symptoms, accompanied with a host of others termed Nervous, infinitely varied in individuals, and often more distressing than the primary ones; e. gr. headache,—flying pains,—noise in the ears,—giddiness, temporary absence of mind,—impaired memory;—unrefreshing sleep,—terrific dreams,—unusual timidity,—despondency of mind;—in a word, with all the train of complaints marking Hysteria and Hypochondriasis, as they appear in their respective constitutions.
- 661. Remarks on several of the symptoms (659), and on the exterior marks of constitution or habit of those persons, in whom particular ones more especially occur.
- 662. PREDISPOSING CAUSE;—original constitution;—sometimes apparent only in defective function of the Stomach itself, at others evidently connected with want of Tone and Vigour of the body at large.
- kinds, viz.—A. such as operate directly on the Stomach, —and—B. such as affect it through the medium of the general system.—A. Want of due mastication, and commixture of food with the saliva;—proofs and illustration of this, and remarks on the antizymic property of the saliva.—Food either in itself difficult of digestion, or so with respect to the individual;—over-distension of stomach from excess in the quantity of food or drink;—compression of the stomach from posture, &c.—violent exercise or succussion of the body after a full meal,—illustrated by ingenious experiment of professor Harwood of Cambridge:—abuse of acid and acescent articles of food,—and of stimulating condiments, or spi-

and Interest habit, the charge of the food is to the and character, there of a Pletteric hubit to the ach assenting from the It is much assentles esteen Iggs in Easto, while in the Confed and hence while granted habit the two less are generally constituted. Its. In best of the formation of a melanchotic temperature it is one of the finish of a proposion of the first of I got from an I be for the first of I got from a severe fit of I got from an Information.





John De bymplomatic his is pepsies you have a familiar in stance, in Good and this is so con mon an infection that you look to this is so as the Diagnosis between your & Wheumatis again in hephritis affections, as soon as the Paleit becomes remoible of any local lomp. have the dy operation Vymptomis; therefore before you look to the Various, the Decary ment of the Decary. ment of the Stancach you must remove the Cafe has tie. affection by to to, the Warm Both, I wone take out with cutacurs affectives which on the checked you have checked by photoca trought as

ritous liquors;—frequent and copious use of warm diluents:—certain articles of the narcotic kind, e. gr., Tobacco,—Tea,—Opium,—Bitters, &c.—B. Sedentary inactive life;—cold damp atmosphere;—grief, anxiety, and other passions and affections of the mind;—intense application to study or business; Venus immodica.—Examples of the effects of these several agents (662-3) in individuals,—in particular occupations,—and in certain classes of men.

- often a partaker of morbid irritation communicated from other organs; when it frequently displays symptoms so violent, and apparently so confined to itself, as to make the *primary* and *proper source* be altogether overlooked.—Instances of this in the successful treatment of seemingly Idiopathic Dyspepsia, by remedies which manifestly and chiefly operate upon other organs, and exert little or no immediate beneficial influence upon the Stomach.
- 665. PROXIMATE CAUSE OF IDIOPATHIC DYS-PEPSIA. A defect in the quantity or quality of the gastric fluid, the consequence of impaired secretory function of the stomach; but probably commensurate with the state of its tone and vigour as a muscular organ.
- 666. TREATMENT. Importance of previously ascertaining whether the dyspepsia be constitutional or acquired—whether idiopathic or symptomatic,—whether arising merely from errors in diet, or other extrinsic agents,—or, owing to a morbid state of the Stomach independently of these.
- 667. The principal indications are,—1st, To avoid, remove, or as far as may be, duly regulate, those things

enumerated as exciting causes (663).—2dly, To relieve urgent symptoms,—as cardialgia,—acidity,—costiveness, or purging,—and pain.—3dly, Improving the vigour of the stomach, and of the system at large.

668. FIRST INDICATION. — Difficulty of accomplishing it in many cases, -sometimes from the circumstances of the patient, but often from the force of inveterate habits.—Allowance necessary, (under certain restrictions) for custom and constitutional peculiarities in regard to articles of food. - General indications as to the proper kind of food,—drawn from the obvious prevailing state of the stomach, e. gr. acid, -nidorous, -pituitous; -and from the exterior character of the patient. -Regulation as to quantity; -abuse of the common precept of eating little and often, pointed out and explained. -Directions with regard to dilution, or the taking in of liquids.

669. SECOND INDICATION.—Means of fulfilling it.—Cardialgia the effect of opposite chemical qualities of the gastric contents, viz. septic, -acid, -rancid; respectively relieved by-acids,-alkalies:-choice of the first,—Sulphuric, Nitrous, and Muriatic Acids,— Mondes continuative Vegetable Acids, - Carbonic Acid Gas; -of the clayed Chath second, -Soda, -Potassa, -Ammonia, - Magnesia, -

Chalk,—Lime Water;—according to the circumstances of the case. - Obviating costiveness; - the milder cathartics most suitable; choice of these according to circumstances. Bile the natural tonic and laxative; indication of increasing its quantity when deficient, and correcting its quality when depraved,-how best fulfilled.

670. Why emptying the stomach by Emetics seldom required; and why their frequent use injurious:—under

6 by he Warm Weather the Saline Peng! appear to be fixed entury exserted the The leaven took is one of the best. It west not be butter so often as to wears the come of the stormere How the Fortent is bitrous: Their ganger

Sale to Doc,

668 Do B. thinks that aliment should be taken, while awake, once in board hours, otherwise the Castrie fuier will be secreted in too large a quantity, while on the other hand if it be Faken too often you overload the Homeck, and the fush nowishement will be collected before that which was previously taken havendupous blog of the Bowles are costine and the excetations nidorous, Than relief will be afforded by Purpung. In evenue of acidity. Untereds. magnerice, either the Sulph: as talene & a the Carbon lest. There I forespire their thoughthe if the Combonato the profuna in. is surve bully, while if you we the list and wish to have it am centralid use the list and on the Degree of acidity in the Stournach. had an the same head may be placed the. ag. Pulais, the achaline prepar as the me Such also acts by stissulating the Store och cometimes we were the Courtie alhot: as ing lotte ight xx in some Diluent sens fre quently use the Carbon ates, we may give Fig. If for Doses, occaressimally 3, Au B. Does not think this as unoafe Dose, he has taken en a Art, Bi of the debeart : of to to a scention the effect perfected on the lune is he what it completely changed & undered so

l'a there et que to her ofter can proper le the second omitties have to dering his the second or infeature to the second to the en time I give to the hour : til is if the toment to our trent, nother than go the ping it in . re fe vo a men ouville . Frenctair deel a my te conting and it secure & the Effect, you on the fresh the the the the this of the street of the fresh and the street of the fresh and the of the fresh or attent of the line on the transmitted the fresh and transmitted the transmitted of the fresh and transmitted the transmitted of the fresh and transmitted the transmitted of the fresh and transmitted of the line on the fresh and transmitted of the fresh and transmitted of the fresh and transmitted of the fresh and the fresh o'les trainory. 6 41 These will of ten give relief, more especially to those whom thousands here become heart from Indulgence in Lating, in from the libuse Linish beine Arb. recommender Sufers. Gent. Constituted of Theirs. In high their xis. By. Sind oping thing - xis. By: Is there who have made too preat would themen. he has found the combination of opings, Est. Gent for Mil is afford a, real relast. 1. " interner briters were geven to of the they canse a hrodinee any good effect. the Casecrating of Does with therein la chorner equal to a so Months bene to crack as the central Billiers. If it begans Autorité delles Buch onle be employ en a berig. h. her the lound nas got certia what of o will by then the chale teater will be unot 643 When the Patient has not been in the Habit.

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what circumstances they may be employed,—and the kinds most proper.

- 671. Removal of pain obtained—sometimes by the means noticed above (669),—occasionally by Aromatics and other stimulants,—most effectually by Opiates:—choice and management of these respectively.
- 672. THIRD INDICATION (667);—why often limited in this.—Tonic remedies;—why simple astringents but little tonic,—and why Cinchona less so here than Aromatic or Simple Bitters. The modus operandi of Simple Bitters, and cautions requisite in their use (416).—Chalybeates not often serviceable, and why:—when indicated.—Directions for the choice, and combination of these remedies.
- dyspeptics;—of Friction:—of Amusement and relaxation of mind.—The temperature of the body variable in dys pepsia,—oftenest defective:—regulation of Clothing.—oftenest directions for its use.

* * *

- 674. Observations on a peculiar species of Dyspepsia; the Cardialgia sputatoria of Linnæus,—the Pyrosis of Cullen,—in Scotland termed the Water-brash;—appropriate name GASTRODYNIA SPUTATORIA.
- 675. CHARACTER. Sudden and violent attack of pain at the stomach, with copious discharge of colour-less, insipid, and generally cold fluid, resembling saliva, from the mouth, fauces, and œsophagus.
- 676. Particularly frequent in certain countries;—remarks on the condition in life,—the food, &c. of those whom it chiefly affects.
 - 677. Probable nature and cause of the disease.—Re-

medies most effectual in relieving the fit, and preventing its recurrence: — Opiates, — Ammonia, — Æther; — Tinct. Guaici, — Aqua Picis, — Stimulant plasters; — change of diet.

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678. Scirrhous Pylorus often mistaken for ordinary Dyspepsia; and Hepatic Disease for both. Importance of an early discrimination between them,—and circumstances which will tend to this, in—the age, and exterior character of the patient,—the seat of the pain,—state of the appetite,—sensations after eating,—vomiting of the food,—state of the bowels,—progressive increase of symptoms,—marasmus, &c.—

679. Observations on the remedies commonly employed:—Cicuta:—Mercury;—Opium;—Extr. Hyoscyami;—Blisters, Setons:—Tepid Bath.—Of the food

most proper.

OF JAUNDICE.

680. Syn. Integos, Græc. — Icterus: — Aurigo; — Morbus Regius, vel arquatus, vel arcuatus, Lat.—Jau-

nisse, Fr.
681. CHARACTER. Yellowness taking place over the whole surface of the body,—but first and most con-

spicuously in the eyes, and roots of the nails;—Urine thick, of a deep yellowish brown colour, and tingeing white substances immersed in it of a yellow hue;—bowels generally costive, but sometimes loose,—with clay-coloured, or unusually pale stools;—languor, lassitude, drowsiness,—itching of the skin;—altered, and

generally impaired, appetite.

682. Detailed description of the commencement and progress of the disease;—and variations occasionally

by o ale accounds is to endeavour to receive the Partient. July Fores and there has that it is me The Distinction between this Viscour In golf the Pylo- , . it al almost as soon as the Particul teches Extrinity is food outo the stringer he free's Pair and activine J. by de produce Ecocuations, give either calound. tion and opening by the hearth. Consteams the Pain at the Stomach. apply within him fil. This, annex Cutuplant Sinape or a Cumic Poultier. y ne aler Calanie. Magerine. interest of vola with the says: which will. council the luisty of the Prince were, there's to the repeater aleors in a the E cut is in dried by the huncing enquention of the Synich bur clear and hearty. It is pureally recurring in old Persons, and inthon who have been subject to come Decath Homash is decay her how the property a more rapid or the modely are property to freather the persons to freather the persons to freather the property to freather with the both on he for the first produced a Curry him with Below on has proquently produced a Curry him with Below on heavy freathy affects, afterwards the with he was property of the south the frather with most first the patient with rections flysters.

bol. Sometimes it is coverceted with Pyrexies, at others and with the passing of Biliary balending theorems is affected when with he flack the liver the Pulse with he head and fall skin het and dry, when with abotheretion of the Deuts the Pulse slower their creations. In hitestimes over the Pulse slower their creations and his trainers over the Tood fashes off undifferent the distributions, sometimes the Tood fashes off undifferent to the tools are clayer forms. La, athetools are clay coloured nometimes we fired as hapillary entition a various frent of the Body.

683. The Periodical Saundree is financley connected with the frage of Philiary balenti, The Black farendree is the property of the Discourse the discourse the discourse of the Discourse of the Discourse of the Obdominal Coiscourse With Volument affections of the Obdominal Coiscourse the National Services

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observed in the state of the pulse,—respiration, stomach, intestines, skin, &c. according to the constitution and previous health of the patient, and the nature of the exciting cause.

- 683. Distinction of Jaundice into—idiopathic and symptomatic;—into continued, and periodical or recurrent,—into febrile, and non-febrile;—into yellow, and black (*Icterus*, and *Melasicterus* of authors.)
- 684. Exciting Causes. Compression of the biliary ducts, particularly the ductus communis,—by posture,—by advanced pregnancy;—by tumours of neighbouring parts, e. gr. steatomatous Omentum,—scirrhous Pancreas, &c.—partial inflammation affecting the larger ducts;—scirrhus,—ossific deposit?—or tubercles in the liver;—inspissated bile;—biliary concretions:—lumbrici occupying the gall bladder?—Consideration of these, and of the circumstances necessary to ascertain, or at least render probable, the existence of one or other of them.—Strictures on the propriety of denominating species of the complaint, from causes which often cannot be ascertained during life.
- 685. Other remote causes sometimes adduced, but less evident in their operation, and more difficultly explained; e. gr. Spasm of the ducts,—passions of the mind,—as anger,—fear,—grief,—terror,—surprize, &c.—injuries done to the brain;—suppression of menstrual, or hæmorrhoidal discharge;—drying up of habitual ulcers;—metastasis of eruptions:—the bites of poisonous animals?
- 686. Observations on the secretory and excretory function of the Liver—on the leading and characteristic symptoms of the disease,—and on the circumstances in

which the several remote causes (684-5) concur in producing.

687. THE PROXIMATE CAUSE, viz. a considerable or total obstruction to the passage of the Bile into the Duodenum, and a consequent absorption or regurgitation of it, into the circulating mass.

688. Examination of the cases and dissections adduced to support the opinion—that jaundice may occur without any obstruction to the free exit of the Bile;—and solution of the difficulty upon principles consistent with each other, and illustrative of a comprehensive theory respecting the nature of the Hepatic Function, and its influence in various forms of disease.

689. Appearances on dissection; and inquiry into the change alledged to take place in the colour of objects.

690. The Prognosis must be formed upon a consideration of the age, constitution, and previous health of the patient,—the degree and continuance of the disease,—the cause giving rise to it,—the effects it has produced,—and its being simple, or complicated with other disorders.—Favourable circumstances;—youth and previous general health,—appetite and strength little impaired,—absence of fever,—and of pain on pressure.—Unfavourable circumstances;—advanced life,—cachectic or scrophulous constitution,—pain and tenderness of the hepatic region,—symptomatic pyrexia,—hydropic tendency,—hæmorrhage, or ecchymoses.

691. TREATMENT. As the cure essentially consists in removing the obstruction to the free egress of the Bile from the Liver, the treatment will vary according to the nature of the cause giving rise to that (684-5):—the chief indications then will be——

ob. he the Case related by Sorlebenetty in which the uch thenever their would and it was emfit for flerger. in pits natural Quentions. 688. There may be Cares that have accounted by a fr 3. Las never francis it son tion of the Best ferma believy falentes & Char hurown falules rearly ancultin Drameter frether. ormeting Everence their has been no obotimation or has any balan les him discovered to here been hafred the Bill in such some the Policin this otat was found reaching only affering from this common dent brequently we find this There in whenged as to frauf on the Drecher preventary Las not be usubject to any privacions Disease, altho it may continue our couridicable time of it waster any contract Lococle.

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- A. To lessen inflammatory action if present:—by Bloodletting, general and topical;—blisters;—tepid bath;—Antimonials, &c.
- B. To alleviate pain, and to relax spasmodic constriction:—by Opiates—alone, or combined with Calomel and Antimonials, &c.—Electricity? Manu Bath.
- C. To evacuate inspissated bile, mucus, or biliary concretions, blocking up the ducts:—by Emetics,—Cathartics;—kinds of these most proper.
- D. To remove scirrhous or other affections of the Liver itself, or of contiguous parts:—by Mercury,—Cicuta, &c.
- E. To supply the want of bile in the alimentary canal,—and to assist in carrying off that which floats in the circulating mass:—by Bitters;—Antacids;—laxatives:—Diuretics and Diaphoretics.
- Lastly, F. To support the strength, until the obstruction be removed:—by Food easy of digestion, and suited to the general circumstances of the patient's constitution, and natural cravings.
- 692. Observations on the nature, formation, and variety of biliary concretions, or Gall Stones, illustrated by specimens, &c.;—and on the remedies that have been proposed for dissolving them while lodged in the gall-bladder,—or ducts.—Remarks on certain articles recommended as possessing specific powers in the cure of Jaundice, viz. raw eggs;—combination of Æther and Oil of turpentine;—Ext. Taraxaci;—Dec. Gram. Canini;—Alkalies, supercarbonated and caustic.—Native vegetable acids, Nitric Acid, &c. &c.

side Adamders healise.

OF DIABETES.

693. Syn.—Dipsacus;—Hydrops ad matulam;—Polyuria;—Chyluria;—Cachexia urinaria? Origin and meaning of these terms respectively.

694. CHARACTER. Urine either having a saccharine quality,—being inordinate in quantity,—or both;—accompanied with dry or parched skin,—unusual craving for food and drink,—wasting of the flesh and strength,—and hectic pyrexia.

695. Detail of symptoms which generally attend the rise and progress of the disorder,—and the considerable variations which occur in individual cases.—Division of the complaint into two species, or rather, perhaps, into two distinct forms, viz. the D. insipidus, and D. mellitus,—with their characteristic marks,—the train of symptoms by which they are respectively accompanied,—their comparative frequency,—and the difference in their result.—Names designative of each proposed,—Polyuria debilitans,—and Melituria tabifica.

by different authors,—with an account of the principal theories offered by eminent physicians respecting its particular nature and seat, viz. by Aretæus,—Dr. Mead,—Dr. Home,—Dr. Cullen,—Dr. Dobson,—Dr. Darwin,—Dr. Rutherford,—Dr. Rollo,—Dr. Lubbock,—Dr. Watt.—Examination of these seriatim; and reasons for concluding, that the two forms (696) of the disease, respectively depend upon morbid states of different organs or functions.—Account of the appearances after death;—and application of them to illustrate and confirm this conclusion.—Strictures on the nosological

1914 Wearnest Colores of the Jospen claim micros of the month is it an ord no to degree of thirst. Take from do 6/200.30by 5 the chan mine or of the know the or much that the Troue sticks to the isof fine nouth the the ite interior that the Patrick dren he several queart adoug the Emaciation equal to what you him in Despoy the cuine often exceeding the great the often Soullen reble this Luce tites The Device " por amounting borecetis. Hohing a line four tour Inflam: of the Reful decis. The desired because entirely leaves the Patriant as these Cymptions increase twelling the liver Extremetics, the tee of the Prech. The Partient becoming the thisicar will with he dies. The Disease often Ledwins or me. times a lessation for several brown the commente nearly owing to the delicary of Finales uncea In the morteon new from melleting the wine is the pale stiene colour with a preculiar smile, dito - Juice from that of comment time it is a a vacchar of Trenche or molaves and will farment one, ho-Lasurg to Win In the operate francisty of the Perior interver lef their wars ng The Patients breakth owells as if he had been chewing men made drey and he has the same sweet taste in his mouth. The Mally in the beginning is torfied, of the concluse however we more frequently have Brankow. more rung is haped at light them in the Day, and the gumes are ownly he the b. heogistus a longe greatety of line is paper ; there is olight pure anot the hours of therest. by b. Dethatt conceived to be every to some fault in the Dige Tion and africulatory because functions, which appears to be the work satisfectory Theory, as it accord, with the twe observe and the because. The Fiction of Leave generally been found healther, they rules offerfrom Buthation he Patients lectoroning under baille the way cases in los an abreis will be forthed in the kings and they for of with hoter thereis Twee.





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place assigned to Diabetes by Sauvages, and by Dr. Cullen.

- 697. PREDISPOSING CAUSE. Uncertainty respecting the precise nature of that state of the system which gives a tendency to the *Melituria tabifica*; but probability of its being often original and constitutional,—and therefore occasionally hereditary:—several striking instances of this related.
- 698. Exciting Causes. Various and opposite ones mentioned by authors,—agreeing only in the circumstance of their ultimately weakening the tone and vigour either of the System at Large, or of particular organs, in persons already disposed to the disease,—e. gr. preceding complaints of the febrile kind, especially Intermitting Fevers;—the excessive use of cold watery fluids—or of articles acting particularly upon the renal secretion;—falls, blows, strains, or other injuries inflicted on the loins, and thereby affecting the kidneys;—torpid, or obstructed and sluggish state of the Liver;—&c.
- a state of the Uropoeietic vessels seemingly analogous to that of the exhalents in dropsy, (595);—in Melituria tabifica a perverted condition of the Digestive or Assimilatory functions, whereby the food is converted into blood of a loose texture, and of a quality neither fitted for the due nourishment and support of the body, nor for supplying the principles necessary to give the usual character and properties to the several secreted and excreted fluids.
- 700. DIAGNOSIS. This easy between Diabetes and any other disorder; and only necessary between the two forms of itself (695):—marks denoting these respectively.

Larine

- 701. Prognosis.—To be drawn from the form of the disease,—its duration,—and consequences,—together with a consideration of the remedies already employed, and the effects they have had:—but, generally speaking, rather favourable in *Polyuria debilitans*,—and the contrary in *Melituria tabifica*.—Account of the unexpected, speedy, and fatal way in which the disease has occasionally been observed to terminate, with the appearances on dissection.
- 702. THE TREATMENT. Necessarily different, accordingly as the disease consists merely in augmented quantity, or in altered quality of the Urine;—or if these are combined, to the proportion of the one to the other.

 The chief indications then, will be—
- A. To increase or restore the perspiratory function, and thereby lessen the unusual determination to the kidneys;—by Diaphoretics—the tepid bath;—friction with oil;—exercise;—warm clothing;—change of climate, &c.—
- B. To correct the peculiar morbid state of the Chylopoeietic or Sanguific functions, which occasions the saccharine quality of the Urine;—by removing such obviously diseased action as may be detected in any of the organs concerned in this process, whether the Kidneys,—Stomach,—Liver,—Lungs, &c.—
- C. To lessen or prevent the formation of saccharine matter, by abridging the use of Vegetables, or confining the patient almost entirely to Animal diet,—aided by medicines which seem the most remote from any thing like a vegetable accescent or saccharine quality,—e. gr. Sulphur,—Sulphuret of Potass,—Sulphurated Ammonia, &c.
 - D. To produce a sudden and general change of action

701 From wheat Dr. Charcen he their that the contest it be in the surce stoops of the Disease. 702. Tit convists an an increased quantitage funcue, the Remodies of flientle to Duspay eveletes higher, but in the const form, hullity, we ard were que inter with a up meshould be fraid to the digestive or fans. in the best Braphore two is the thick the ac. E. bet. acceding to De + experience to the affect one to the autienou Beaple a ded deg the warm Bath. The house says the Patient thous he happen the auti-phopistic regimen. There I as been grown to ask as an Invetite resilience the water harbers deministed enstone; him how much the water harbers deministed in quantity by this mouns. & the Patient onli a vici aling ower i equinolis, no The caret, navemple a turnish when we after me to churche Express, when the arrience , oor incre be more readily depented it and he have required love to unake it tender, therefore the cancelles ar ere more haspur; ut in the latter t age of the L'écres e ve muse be mon admittioner bismité di except excurred for how the great could exceed a time raine exceeding to me a Glassol bear al. in thosum view medicines lander and and, one Superliged amore mea.

D. come intheres reason ween the . It. Bais journed italkine the pain, in the Lozer or " never unter the hall already accommends bleeding lengthy KA antiphlogistic block, septimed it and the focus Patient appeared
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in the Sanguiferous System, by reducing the quantity of blood to a due balance with the power of the vessels, —by Venesection, repeated from time to time, according to the degree of effect observed to result from it.

E. To assist in restoring the body at large to its pristine vigour, — by various tonic remedies, as Cinchona,—Sulphuric Acid, —Bitters, — Chalybeates,—Cold bath,—&c.

703. Remarks on particular remedies recommended in Diabetes, with testimonies for and against them;—the principles on which their utility may be explained, and the forms (695) of the disease to which they would appear especially adapted;—Alum in various forms,—Catechu,—Uva Ursi;—Rhubarb;—Tinct. Cantharidis;—Blisters, and other stimulant applications to the loins;—tight belt;—issues and setons;—Aqua Calcis;—Sulphur, and its combination with alkalies:—Acidum Citri cum Sodæ Muriate;—&c. &c.

URINARY CONCRETIONS.

704. Syn. Lithiasis, Vogel and Macbride.—Calculus urinarius Auctorum:—Anglicè Gravel and Stone.

705. Difficulty of giving any short and precise character to this disease, from the difference in Situation, Structure, and Sympathy, of the organs affected;—from the variety, both in number and degree, of the Symptoms;—from many which are thought characteristic, being found to arise from other causes;—and from Calculi being discovered after death, in the kidneys and bladder of persons who had never made any particular complaint indicative of their presence.

706. Usual symptoms of Calculus, or of the lithopoeietic process in the Kidney;—Pain in the region of

the kidney, increased on motion;—sometimes violent pain referred to the Stomach, accompanied with nausea and vomiting;—at others, dull pain stretching along the Ureter, with numbness of the thigh, and retraction or pain of the testicle on that side:—Urine variable, sometimes pale and copious,—oftener high coloured and scanty, and depositing a lateritious sediment,—minute red crystals,—pus,—or blood:—occasionally attended by pyrexia.

- 707. Cystic Calculus commonly marked by frequent, difficult, and painful discharge, sometimes with sudden suppression, and sometimes with constant stillicidium, of urine:—dull pain and sense of weight affecting the perinæum, urethra, and rectum;—itching or dull pain of the glans penis:—Urine as in par. 706, or loaded with mucus.
- 708. DIAGNOSIS. Circumstances serving to distinguish Lithiasis from the symptoms occasioned by Lumbago,—stricture of the Urethra,—enlarged Prostate,—thickened bladder, &c.
- 709. Causes:—Predisposing,—a constitutional disposition strikingly prevalent in individuals,—often obviously hereditary,—very frequently connected with Gout, and commonly with Indigestion:—Exciting;—whatever tends either directly or indirectly to weaken the tone of the urinary organs, ex. gr. inflammatory irritation, whether arising spontaneously under general fever,—from cold applied to the loins and pelvis,—from gouty or rheumatic matastasis,—from mechanical injury, as blows, falls, strains, hard riding, &c.—or from articles specifically affecting the urinary passages, as Cantharides, Turpentine, &c.—the excessive use of neutral saline diuretics;—the use of hard water.—Long confinement to a recumbent posture;—too long retention of urine;—Sedentary inactive life;—Indigestion;—Foreign bodies

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introduced into the bladder.—Why Women less subject to urinary calculi, especially of the bladder, than Men.

- 710. Account of the prodigious size, or great number of stones recorded;—the singular articles occasionally forming their nucleus;—the difference in their shape, colour, texture, &c.—and the variation observable in the same calculus during its increase;—illustrated by specimens.
- 711. Chemical examination of Urinary Concretions;—the variety in the kind, and proportion, of their component parts, connected with their external character, the symptoms they excite, and the state of the Urine;—explaining the efficacy of opposite anti-lithic remedies; and affording ground for their employment a priori.
- 712. Inquiry into the nature of the morbid state productive of Urinary Calculus;—its analogy to, and its frequent connection and alternation with Gout shewn; and reasons for believing, that thay are only modifications of the same disease, as affecting organs differing in structure, functions, &c.
- 713. PROGNOSIS.—To be drawn from the age and constitution of the patient;—the duration,—degree,—and form of the disease;—its effects upon the general system, or the particular parts;—the kind of remedies already employed, and their result.
- 714. TREATMENT. The plan will be either curative, or merely palliative, according to circumstances. The general indications are,—
- A. To mitigate urgent symptoms, as inflammation, —pain,—spasm, &c.—by Bloodletting general or topical;—warm bath;—fomentations;—laxatives;—Digitalis?—Opiates, alone or with Antimonials,—in glyster, &c.
 - B. To expel, dissolve, or otherwise remove Concre-

tions already formed;—by mild diuretics,—mucilaginous diluents;—articles possessing a chemically solvent power on calculi out of the body, and concluded to exert a lithonthriptic one within it, e. gr. caustic and mild alkalies, in different forms;—Lime Water;—Soap;—Acids, particularly the Carbonic and Muriatic;—Phosphoric Acid?—Proposal of injecting insolvents into the bladder,—and of performing Nephrotomy,—considered. Account of modes proposed to remove Calculi lodged in the Urethra, without cutting.

C. To correct that state of the System, or of the Urinary Organs, upon which the formation of Calculi depends (712),—by regulation of Diet and Regimen, adapted to the case;—correcting morbid state of Digestion (See Dyspersia):—Uva Ursi, and other Astringents:—Turpentines and Balsams.

715. Remarks on particular remedies;—Greenfield's combination of Cantharides in substance, and Camphor;
—Mrs. Stephens's solvent.—Chittick's nostrum, &c.

OF ASTHMA.

- 716. Derivation and meaning of the name.
- 717. General Character: difficulty of breathing recurring at intervals, accompanied with sense of straitness and oppression in the chest, and sonorous respiration; generally also with cough, at first short and difficult, but towards the end of the paroxysm more free, and often with copious expectoration of mucus.
- 718. Distinction between Dyspnæa, Orthopnæa, and Asthma; and the appropriate application of these terms to different states and forms of difficult breathing pointed out.

3. His doubtful whither the humilago is ever carried The Hiray, I'd allow thinks that have till arrayly was I from the quantity of weeks that they contrain. When the Calculus consists of lever and the cansterand its alkalis will be proper, or to who wind Pohuvent energ sals telested as the latter will keep the bowells ofer. When the love deposets a sheto ordined, 10 host ofheries. , hunoral. acidesche course it to be our finded oned carnied , but the supported water with he purposable after fivery the alkaleis in the former care for rome leave will filed the sunematilities the opposito perpeter and Justing the Phosphore dalts, here there for whould grow deed is by these man gon corleen idealle leften the disposew to form the or formations. De l'husers four Care alien Calottainers were in just dente the : Amie to colent in The Bladder, when the var on the paint The forfiches also in the Deced a point of Foresport this Miles as in the share of the toute this Miles and their removed a much sufale Palanti.

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- 719. Division of Asthma into idiopathic,—and symptomatic (A. hystericum,—hypochondriacum,—arthriticum,—exanthematicum); and importance of this in a curative view.
- 720. Detail of symptoms which generally precede, accompany, and follow the paroxysm; and occasional variation of these, explaining the different forms it assumes, and accounting for the terms of continued and periodic,—humid and dry,—catarrhal and spasmodic asthma, given to it by authors.
- 721. Causes: Predisposing—a peculiarity of constitution, especially with respect to the Lungs, and this often hereditary:—Exciting,—irritation from various organic diseases of the lungs, heart, diaphragm, &c.;—plethora;—distension of stomach?—sudden refrigeration, especially from cold air when the body is overheated:—breathing very hot, or otherwise rarified air;—inhaling various kinds of dust,—smoke, or acrid vapours;—mephitic gases;—metallic fumes;—certain conditions of the air, independent of temperature or moisture, and operating differently upon different patients; exanthematic metastasis, or suppression of customary discharges;—passions of the mind;—particular odours, &c.
- 722. Examination of the proximate cause of the Asthmatic paroxysm, as alledged by different writers; and investigation of its probable nature and seat, founded on a consideration of the symptoms, exciting causes, &c. and leading to a consistent plan of treatment.
- 723. DIAGNOSIS. Circumstances distinguishing Asthma from Catarrh, Croup, Hydrothorax, and Angina Pectoris;—and from the difficulty of breathing which sometimes attends Hysteria, Hypochondriasis, Intermit-

ting Fevers, &c. or is owing to foreign bodies acci-

dentally getting into the trachea.

724. PROGNOSIS;—except where the constitution is unimpaired,—the disease recent,—not hereditary,—and arising from some metastasis,—generally unfavourable:—but often recurs with severity for many years, and seldomer proves fatal from the violence of the paroxysm, than from inducing hydrothorax, &c.

725. THE TREATMENT varies considerably accordingly as the disease occurs in a plethoric or exsanguious habit,—as it is idiopathic or symptomatic (719),—catarrhal, or purely spasmodic (720). The general indi-

cations, however, are-

A. To remove such of the exciting causes as may still continue to act.—

B. To relieve urgent symptoms arising from vascular repletion,—by general or topical bloodletting;—cautions respecting the former;—and doubts as to the utility of the latter:—from Spasm,—by Opium,—Æther,—Ammonia, — Musk, — Camphor, —Cajeput Oil,—strong Coffee,—Cold Air and Drink,—Pediluvium,—Asafætida, &c.—from viscid phlegm,—by nauseating Emetics, Ipecacuanha, Squills, Tobacco, Mustard;—Cathartics;—these either alone, or combined with Opiates, and sometimes given in clyster.

C. To recal to its original and proper seat and form, any other disease, upon the disappearance or metastasis of which the Asthmatic complaint had supervened;—or to compensate for it, by exciting some analogous action or discharge,—by Sinapisms, — blisters,—hot bath,— Emmenagogues, — Diaphoretics,—Sulphur; — Issues,

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- D. To correct such cognizable morbid state of the system at large, or of any individual function, as appears to be connected with, and to aggravate, the asthmatic tendency;—by Cinchona,—preparations of Zinc, Copper, &c. cold bathing,—Cicuta,—Digitalis,—Diuretics,—Acids;—suitable diet and regimen.
- 726. Remarks upon particular remedies occasionally recommended; Oxygen gas; Arsenic; metallic Quicksilver; re-inoculation of the itch; breathing Carbonic-Acid Gas, &c. &c.

OF WHOOPING COUGH.

- 727. Syn. Tussis convulsiva of most authors;—Pertussis, Cull.—Anglice, Kink or Whooping Cough; improperly Chincough.
- 728. CHARACTER. Frequent and violent fits of coughing, consisting of many successive short expirations, followed by one deep and loud inspiration, and these quickly alternating for several times,—generally ending with the expectoration of very tough phlegm, often with sneezing, and frequently with vomiting:—Evidently contagious;—usually epidemic;—affecting children more especially;—and occurring but once during life.
- 729. Mode in which the disease commences and proceeds; and variation of symptoms depending on constitution,—habit of body,—and preceding or casually accompanying complaints. Division into the Catarrhal, and simply Spasmodic forms.
- 730. Inquiry into the nature and chief seat of the disease;—and arguments, both from analogy and facts, tending to shew,—that it has a definite period of duration in its acute and contagious state.—Division of it

into two stages, viz. the Specific, and Habitual; and the relative continuance of these;—explaining apparent difficulties, and directing to a consistent and successful plan of treatment.

781. Causes: — Predisposing — A constitutional susceptibility common to children, differing greatly in individuals, and rapidly diminishing by age:—Exciting—
(A.) of the disease—the specific Contagion, probably exhaled and inhaled with the breath;—(B.) of the paracrysms,—bodily exertion, as running, &c. distension of stomach,—indigestible food,—irritation of the lungs from smoke, &c.—passion of auger, crying.

732. DIAGNOSIS. — Difficulty of distinguishing Whooping Cough from Catarrh in the beginning: marks assisting to do this, where they are not combined.

- 783. Prognosis. The disease especially fatal to infants,—to children born of phthisical or asthmatic parents,—and to those possessing general delicacy of frame, or reduced by preceding illness.—Unfortunate combination with Measles or Catarrh.—Epistaxis sometimes relieves; but is often a mark of severe disease, and when copious or frequent proves hurtful.—Sometimes terminates suddenly in convulsions and death; but the fatal event generally preceded by constant dyspnæa, livid colour of the face, extremities, &c.—Often brings on Phthisis, and mesenteric obstruction; occasionally Jaundice:—common mode in which it probably acts.
- 734. Explanation of certain symptoms;—and appearance of the lungs in fatal cases.
- 735. TREATMENT. When symptoms mild, little interference necessary,—there being no Antidote to the Specific Exciting Cause. The general indications are,—throughout the complaint, but especially—

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IN THE FIRST STAGE (730) to mitigate urgent symptoms, whether (a) of the Catarrhal,—or (b.) of the Spasmodic kind (729);—(a.) by bloodletting, general or local, according to the degree of plethora, or of febrile irritation and dyspnæa present;—by Laxatives;—occasional nauseating Emetics, and Expectorants;—by Blisters;—mild Diaphoretics, &c.—Choice and management of these respectively.

IN THE SECOND STAGE,—to break the habit of recurrence, by lessening general or local irritability, and giving tone to the system at large:—by Opiates,—Digitalis,—Cicuta, — Hyoscyamus?—Castor;—Musk, &c.—Cinchona; — preparations of Zinc;—Myrrh;—Chalybeates, &c.—stimulant and opiate frictions, &c. to the stomach and spine;—change of air.—Cold bath.

736. Remarks on certain remedies occasionally employed, and on their modus operandi when beneficial:—Dr. Burton's combination of Cinchona, Cantharides, and Camphor; and improvement on his formula.—Muscus pixidatus.—Roach's embrocation.—Moderate impression of fear.

OF COLIC.

- 737. Syn. Enterodynia?— Derviation of the term Colic: includes a number of painful abdominal affections, differing widely in their particular seat and causes, and agreeing only in their
- 738. GENERAL CHARACTER of—deep-seated pain, occupying especially the epigastric and umbilical regions,—generally attended with costiveness, and sometimes with vomiting.

739. Division into species, according to its nature, or

to its real or alledged

740. EXCITING CAUSES;—e. gr. flatus (C. flatulenta—hysterica?);—accumulated fœces (C. stercorea, -gravidarum); -articles swallowed, and irritating the intestines from their indigestible nature, or their mechanical, chemical, or specific quality (C. accidentalis); worms (C. verminosa) calculous or other concretions lodged in the colon (C. calculosa) or in the kidney (C. nephritica);—copious excretion of acrid bile (C. bilosa) gall-stones (C. cholethica; See JAUNDICE);—retention of the meconium (C. meconialis);—acidity of the primæ viæ (C. infantum, -- dyspepticorum); -- metastasis of gout, rheumatism, &c. (C. arthritica, &c.)—dentition; —cold applied, especially to the feet (C. phlogistica) scirrhous or other coarctation of the intestinal tube (scirrhous rectum, &c.);—application of lead in various modes (C. Pictonum; Devonshire Colic; -Dry Bellyache of the West Indies? &c.)-Periodical or Intermitting Colic.

741. Symptoms, &c. respectively denoting these se-

veral species.

742. PREDISPOSING CAUSE.—Constitutional or acquired irritability of the muscular fibres of the intestines.

743. PROXIMATE CAUSE.—Violent spasm affecting a portion of the intestinal canal, and preventing the ready descent of the fœculent or other contents.

744. The Prognosis must be drawn from—the age, constitution, and previous health of the patient,—the continuance, repetition, and degree of the disease,—and the known or probable causes giving rise to it;—but above all, from the absence or presence of inflammation

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215 he the heatment of faxes of this kind it you begen Patrick. The first object therefore is to releve the spann, to downiel fourthe administer the neces. be real, from ge; to in every to of an hour; after it has allewed the spasses are ordenery quantity of any la thartie wile produce the necessary effect on the Bosolis. DB. recommends the Pul These Lasa good former of Theren. If the Patient new received Heleifwe have then to restore the energy of the Parts. with Dely dewheen the Balsam of Peruwas a farment form, but the Balo of Canada or Cofreire wile be rubbe downword easily; if given in dores of 3/o 2003 times in Els hours it will operate on the Bowells 2. or 3 times, Therefore were extent. In commen with a le other Bale suries Brehavating they produce a faculties viretation on this this the same is deal to likely to be accused by Balo. Perce. This in some Cases is extending don the Shot surface of the thing henticulously the breedheek and proving my months me them.

or fixed obstruction.—Favourable Symptoms;—intermission of pain or occasional change in its seat;—slow, or but little quickened pulse;—pressure being easily borne, or giving relief;—fœculent evacuations.—Bad Signs;—Frequent retching;—obstinate costiveness;—tension of the abdomen, and pain on pressure;—pulse very frequent, small and hard:—hot dry skin, or partial clammy sweats;—dry brown tongue;—hiccup;—delirium.—Colic from lead often ends in tedious paralysis of the extremities, especially of the wrists. (See Palsy.)

745. TREATMENT. Although as far as the disease is merely dependant on Spasm, the plan of cure is simple and generally successful; yet from the very different nature of the Exciting Causes (740), a minute investigation of the rise, progress, &c. of the attack, is of great utility in directing particular measures.—The chief indications are—1st. To prevent or remove inflammatory action;—2d. To relieve pain and spasm;—3d. To procure free and fœculent evacuations;—4th. To guard against a recurrence of the disease.

746. Means calculated to fulfil these several indications respectively adapted to the particular species (733), degree, or stage of the complaint,—considered seriatim, under the heads of,—1st. Bloodletting, general or topical;—warm bath,—fomentations;—blisters;—2d. Aromatics:—Opiates by the mouth or anus;—3d. Cathartics,—e.gr. Magnesia Vitriolata,—Ol. Ricini,—Calomel, or the milder mercurial preparations,—Extr. Colocynth: Comp. &c. Rules for the choice and management of these; and particularly with regard to the circumstances under which cathartics are proper, or even safe.

747. Remarks on particular remedies occasionally employed in Colic;—Affusion of cold water on the lower extremities;—Clyster of tobacco smoke, or infusion?—Turpentine clyster;—Alum;—Sulphas Cupri;—Petroleum, &c.

748. Means necessary to guard against future attacks,

Riding,—Sailing,—Friction,—Diet,—Regimen,—

Clothing, &c.

OF TETANUS.

749. A general term, including Trismus, or Locked Jaw,—Opisthotonos,—Emprosthotonos,—and Pleuros-thotonos: meaning of these respectively.

750. General Character. Spastic rigidity of the voluntary muscles, espescially of the jaw, neck, and trunk of the body, accompanied with violent pain, and with occasional convulsive exacerbations:—without primary fever or affection of the sensorium.

751. Detail of symptoms marking the commencement and progress of the disease under the different forms enumerated above, (par. 749); and comparative

frequency of these forms.

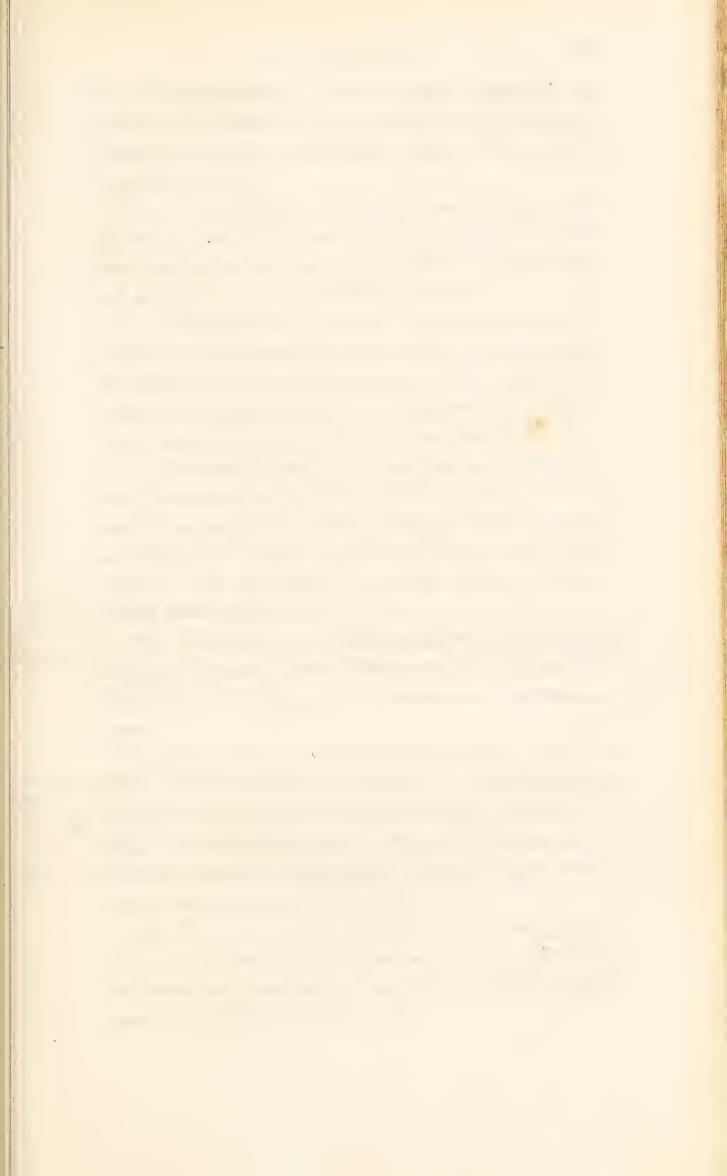
752. PREDISPOSING CAUSES.—Perhaps an original and constitutional tendency to cramp or spasm;—hot climate and season;—a somewhat peculiar, but yet unascertained, in the soil, air, &c. of certain countries;—and in a general way, whatever weakens the tone, and increases the mobility of the muscular system.

753. EXCITING CAUSES. Sudden refrigeration, especially when the body is overheated and perspiring. (T. a frigore)—Local irritation, from wounds, bruises,

140 The advisemble to send the Patent to the dear for the advantage of the Soa Batty is ever to 750 also difficulty of Breather, & Swallowers, great distinhence of the Pulse describention of the Bouchts. 75! Stiffness of the Jaws, contraction of the houseles about the lyes, even now the Patient cannot defore of the Law to its proper extent, as the Disease increases their Rigidity of Spann ratter Sunder bourses bourses governo but hants. Levely of the Bir Shagen, then the expression of the Courte. sunder. The Patient will be but in that projetion in the the the houseles contract, of bothe before Abehind, then he will et quite apaight if thaded are a chain; But the flux oches I hopination are more frante enlarly affected, this conving the great danger, also there of the platition, Paloies Excelated the thin, the Contient become person with a profuse hour spiration; as to when the Discour shall tremer ato it is wire unentain. tuids to the Ruscles of other parts, as the bears, Bodish's

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756 and Convalsions the Patient is sensities, but hands of the Complaint he may become delicions, at the field of the Complaint he may become resofting entimear wand never proves fatal.

757 When the Disease occurs with us, the chances are to to I against the Patient, but not or in warm Chinalis. for there is just the patient, but not or in warm Chinalis. for the is just the reverse; for it is an unlikely thing for the Disease to be present to Deep and some to his inverse, and it is an Musical things.

- &c. (T. traumaticus.) Acid or other saburra in the primæ viæ of infants.—Retrocedent or repelled gout;—suppressed menses.—Preceding Colica Pictonum, or Dry Belly-Ache.
- 754. Occasionally takes place as a symptomatic affection in tropical fevers (T. febricosus); is sometimes also an anamolous form of hysteria (T. hystericus); and an effect of certain narcotic poisons.
- 755. PROXIMATE CAUSE. Investigation of the peculiar morbid state of the Nervous System productive of Tetanus,—from a consideration of the predisposing and exciting causes; and its not being peculiar to Man:—and inquiry how far it depends upon the Brain, or upon the Sentient Extremities of the Nerves; with deductions from thence as to the treatment, compared with the result of experience.—Strong analogy in certain respects, and difference in others, between Tetanus and Hydrophobia; with conclusions, as to the means to be employed in the latter.

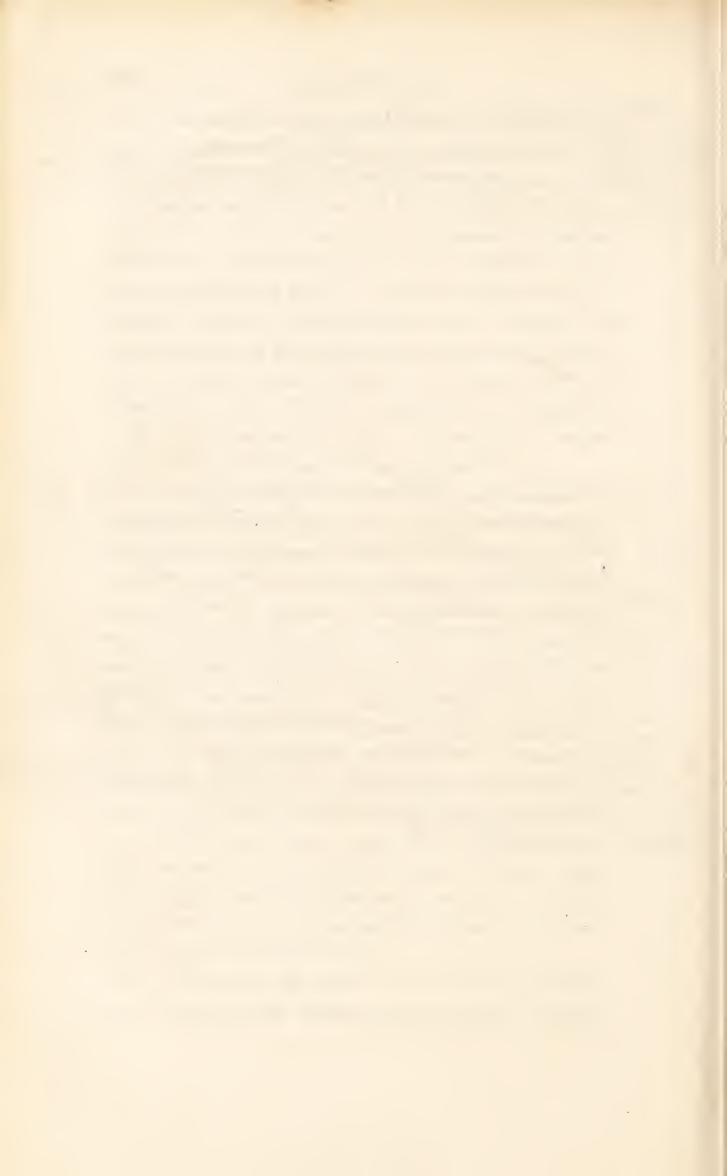
756. DIAGNOSIS. Circumstances distinguishing incipient Tetanus from Rheumatic affection, — from Convulsion,—Catalepsy,—or anomalous symptomatic spasm.

- 757. PROGNOSIS,—to be drawn chiefly from the disease occurring in a warm climate, or in a temperate or cold one;—its arising from general causes, or from local injury;—the violence of the symptoms, and the length of time they have continued;—together with the means already employed, and their effects.
- 758. TREATMENT:—this still vague and dissimilar from the obscurity of the Proximate Cause, and from the undecided superiority of any individual plan.—The general indications, however, are—

- A. To remove such local irritation as appeared to excite the disease, and may still continue to act.—By cutting off the communication between the local source of irritation and the brain—(a) by dividing the connecting nerves;—(b.) by destroying the diseased extremities of the nerves, with caustics, &c.—(c.) Inducing a temporary paralysis of them by sedative applications,—as Opium,—Lead?—Belladona? &c.—(d.) Altering the peculiar nature of the irritation, by exciting a higher degree, or another kind of action in the part,—by Ol. Terbinthinæ,—Ol. Succini,—Cantharides,—Ammonia,—Mercurial preparations,—&c.—Examples of success and of failure in the use of these respectively.
- B. To lessen the general irritability, and tendency to involuntary muscular contraction. - By Venesection, to diminish general fulness and tension of the vascular system: -question how far it is either indicated or useful in those places where the disease is most common; -circumstances under which perhaps it may be had recourse to. -(b.) Opium internally; - instances of prodigious quantities taken without obvious benefit.—(c.) Warm bath;—contradictory evidence respecting it.—(d.) Cold bath; - strong testimonies in its favour, -instances of its proving suddenly fatal; -cautions which appear necessary in its use. Quick alternation of hot and cold bath. -(e.) Cinchona,-Wine, &c.—the prophylactic probably superior to the curative power of these. - Digitalis; -highly deserving attention, as well from its general sedative power, as from its good effect in other convulsive and spasmodic diseases.
- C. To restore the tone of the Nervous and Muscular Systems, and thereby guard against a relapse,

I When it is produced by a bound, I should be care of by maning & any & transvery only tance removed the former the Bank were apply Themes bequently been a the news lading to the heart have prejutely been rivided existing the least advantage; it should be done ready if atale.

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This indication fulfilled in part by d, and e, (A. 758) —by change of climate, &c. friction,—exercise, &c.

759. Remarks on particular remedies occasionally recommended.—Electricity,—Galvanism;—friction with oil;—Tinct. Ferri Muriatis;—Arnica,—Camphor,—Petroleum,—Cicuta, &c.

Jaw affecting new-born infants;—the countries and circumstances in which it more especially occurs;—the points in which these agree;—the several causes alledged;—and the treatment found most effectual in preventing or curing it:—leading to the important conclusion—that in every form of Tetanic complaint, not only the alimentary canal, but certain organs functionally connected therewith, are a chief source either of primary or secondary irritation;—and explaining the superior utility of certain remedies, e. gr. Mercury,—Alcalies,—and Cathartics,—as acknowledged by writers of authority on the mere ground of experience.

OF APOPLEXY.

- 761. Derivation and meaning of the term.
- 762. CHARACTER. Sudden and considerable diminution of Sense and of Voluntary Motion, accompanied with Sopor resembling deep sleep,—often with slow stertorous breathing, and generally with Hemiplegia:—the motion of the heart and arteries continuing.
- 763. The attack usually preceded for some time by —occasional vertigo,—sense of fulness and pain in the head, noise in the ears,—stammering in speech,—numbness, involuntary agitation, and prickling sensation in the extremities, especially in one or other arm,

with redness, and swelling of the veins;—flatulence and distension of the stomach and intestines;—dypsnœa;—great depression of spirits;—drowsiness, especially after eating;—disturbed sleep;—night mare, and terrific dreams;—flushing of the face and neck;—throbbing of the heart and temporal arteries;—temporary blindness, with appearance of sparks or flashes of light before the eyes.

- 764. PREDISPOSING CAUSES;—a peculiarity of constitution, frequently hereditary, but oftener connected with dark eyes and hair, short neck, and corpulent habit, than with an opposite description of person.—Advanced age;—sedentary life;—full diet, and habitual though inconsiderable excess in the use of Wine and malt liquors;—stoppage of customary discharges, as Epistaxis, Hæmorrhoidal or Menstrual flux, &c.
- 765. Exciting Causes—whatever, under a state of predisposition (764), either—determines an unusual quantity of blood to the head,—prevents a free return of it from thence,—or directly impairs the energy of the Brain,—so as to produce—either Simple Congestion, or this followed by Serous Effusion, or by rupture of vessels, and Extravasation of Blood.—Existence of these separately and conjointly, shewn from dissections;—with the symptoms respectively denoting the probability of their presence during life.
- 766. Individual Exciting Causes;—and explanation of the modes in which they respectively act;—Fits of Anger,—great heat,—Intoxication,—violent muscular efforts,—depending position of the head,—tight ligatures round the neck,—impeded respiration,—over-distension of stomach,—Tumours pressing on the superior Cava, or descending Aorta;—Narcotic Poisons,—fumes of

Job in Attention that apollery is connected with a disordond state of the Celimentary Courab, and after Policidings by a timed ing to this circulate times and giving Purportives we whate relieve this Patient.



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Tob. In acing sind moist bearns, especially when the of by the appearances are account, you would not look for the same in where as in a confinition dabit. and you have a greated member of a auguine one, than, of serous who players. In bers on her du attack of while arecovers in this accurs again, or if you have it produced by hanticular positions of the Head or by long hip, there may have been seems effersed, but it becomes abourbad af are. you most pagesactly have some or some other peleations His throw out into the cavity of the Brain, sometimes and 769. Me are eprecial of the healthy functions of the Porcin apopling often occurs from herease of bus cular oution and aborehrouly's book never mended. Heef vis capable of being ours he out of it, not or in apople for the Policiel is always supposed to him a Comatous state. the Patient is very readily anothe from his lettangy and with but to answer questions block about, he Epileptic topor Thereis no Steet wour Constitues and the Levels are relaxit he Catalifus, the hours may be an own in any constitute and their work amount there. In highway the trust owners and when the fresh owners and when course he appears delinious, the hunt is produced by beter bearester Poisons, he purally lubours ander Correctel 2020 771- Wee apopling depends on congration themaxine Pouralytic French there is where as then It depends on Effersion the Patient has generally been puraly and for o ornic horoster time before. Charcoal, &c.—peculiar state of Atmosphere;—Gouty metastasis,—Concussion, or other mechanical injury of the brain.

- 767. Account of various morbid appearances found in the Brain and its appendages after death; and doubts on the generally alledged agency of most of these in causing the disease.
- 768. Facts proving the intimate functional and sympathic connection between the Brain and Liver; with new views of the cause and cure of the disease founded on these.
- 769. PROXIMATE CAUSE.—Compression and torpor (or the converse) of the Brain;—and consequent defect of nervous influence in the organs of Sense and Motion.—Illustration of this from cases recorded by Boerhaave, Kirkland, &c.; and the universality of it shewn.
- 770. DIAGNOSIS. Circumstances distinguishing idiopathic Apoplexy from Lethargy,—from Epileptic Sopor,—from Hysteric Carus, and Catalepsy,—from Typhomania or febrile stupor,—from the symptomatic
 Apoplexy caused by Inebriation, Narcotic Poisons,
 Mephitic Vapours, General Dropsy, Ischuria Vesicalis,
 Hydrocephalus, &c.
- 771. Common division of Apoplexy into the sanguineous and serous; and the different ideas attached to these terms by different authors. True grounds of the distinction; and utility of it in a curative view.
- 772. Apoplexy and Paralysis compared, and shewn often to differ rather in their extent and degree, than in their nature. Examination of Dr. Kirkland's opinion respecting the special seat of each.

773. Prognosis—to be drawn from—the patient's age,—constitution,—habit of body,—and previous mode of life;—the exciting cause;—the degree of the disease;—its being a first attack—or a recurrence;—its being accompanied with, or free from, Hemiplegia or Convulsions.—Sometimes on a smart Fever supervening, with delirium, and general diaphoresis, the Apoplexy is removed; but more frequently, pyrexia indicates local irritation in the Brain, and fatal result.—Circumstances under which one or the other more especially happens.

774 The TREATMENT will chiefly consist in means calculated—1st. To remove the compression, — and 2dly, to re-excite the energy of the brain; -e. gr. General or local bloodletting, -or both; -different modes of this,—and respective advantages of bleeding from the arm, from the jugular vein, or temporal artery,—or by means of leeches, cupping, &c.—with the form (771) of the disease to which each is especially suited, and the extent of the evacuation.—Regulation of temperature; application of cold to the head.—Position of the body.—Purging; importance of this,—different modes in which it operates, and regulation of the quantity and kind (763) of the discharge, according to the circumstances and stage of the disease; -with the articles most proper under each, and the mode of using them.—Blisters to the head or its vicinity.—Diaphoretics,—choice of these.—Blisters or Sinapisms to the feet.—Stimulants of the diffusive kind, and not exerting any narcotic effect upon the brain,—e. gr. Ammonia,—Serum Sinapeos, &c.

775. Remarks on particular remedies sometimes recommended in Apoplexy,—e. gr. Sternutatories, Eme-

after effection of America. Ithe Disense occurs his a han finde habit, with a think week and he is quele sure by, bolupy with laborious bake, here you werey, be afrend Prefrence is the cause as how after a their of Oriond, you have no prost that it is not still your in I therefore you much relever the Theat a Restrict he Bluding from the dem outregalen being the temporal the Heart, of the faule night who come more prayelly delificale, 200 30 ormers many he tuken urvery, and the wheatities must be regulated by the preguency of the Huley rest fey its the as the as thereties an engy producey In whomas, 50 owners have been tutions aware to a further Howard unever the offices in of the Horach, which we often ser attempting to releion itself by borniting. There we attend to the Bowells, if the Cale As counts resolton flerids Colonel migra in Butter many Complains
of the bush of his Inque of hyperting administrated and to his facility of the stand of the standard o now I me her confirm. - For view of a tile to suit to be horizontal (receive, and we apple hotes bripid. det a lique potonis of Debility one on as parferes prespirations in inspirations If the Patient comains in sensibly we stirmedate hem by Blisters on Freighismis to the Fact; Hiath. Have boffered with autim Toutar frame Hubits? I show for any way we employ Bleding in space Hubits? in oresh habits we must use this Remody very confine hay the Boweles & heaf up the Show, the hisaspathie apoplery in youre datity we may blied locally It profess applying topping Gliffice to the hafe of the heck. Blisters or whenever doughtie the trous found apopling.





The Difference between Paralys is and Upsflery is, that in the one the cause acts morning interby, while is the other / Paralysis it acts more slowly. tics, &c. and the circumstances under which they are proper or safe, pointed out.

776. Supplying the lungs with Oxygen Gas proposed, to carry off the accumulated Carbon with which the arterial blood is evidently loaded: most convenient mode of this.

777. Management after recovery, as to diet, exercise, &c. to guard against a relapse.

778. The treatment of the Hemiplegia or other paralytic state, so often accompanying, and remaining after Apoplexy, properly fall under the next general head.

OF PARALYSIS.

779. Origin and meaning of the word.—Syn. Resolutio nervorum; Cels.—Neuralysis, vel Myalysis?—A general term comprehending various species of nervomuscular incapacity.

CHARACTER.—The motion of one or more of the Voluntary organs or parts of the body, greatly diminished or entirely suspended, often with impaired sense of feeling;—and independently of inflammation, or mechanical stiffness.

- 780. General view of the nervous functions as exercised by the Brain.—by the Nervous cords,—and by their Sentient Extremities respectively; and explanation of the forms of Paralysis, whether of *Motion*, of *Sense*, or both, founded on this.
- 781. Nosological division of Paralysis into species, as affecting half the body longitudinally (Hemiplegia)—transversely (Paraplegia),—or individual parts or muscles, as of the arms or legs (Paresis), the tongue, glottis, eye-lids, rectum, bladder, &c.—or,—as affecting particular

organs of sense; as of touch (Anæsthesia), of vision (Amaurosis, Gutta serena), of smell (Anosmia), of taste (Agheustia), of hearing (Dysecoea), &c.—Comparative frequency, and occasional combination of these.

- 782. PREDISPOSING CAUSE; A peculiarity in the Nervous System, not definable, but oftenest affecting the Brain,—and then generally connected with Apoplectic tendency (764).
- 783. Exciting Causes, Whatever occasions lesion of substance,—compression,—or torpor of the nerves, whether at their source, in their progress, or at their extremities; as wounds,—contusions,—fractures, -pressure from tumours,-from partial congestion,-or from hæmorrhagic, suppurative, or watery effusion;stoppage of customary discharges; - repulsion of eruptions; -gouty metastasis; -convulsions; -violent anger, terror; - grief; - cold; - application of lead (Colica Pictonum,/—of Arsenic?—of Quicksilver? &c. Belladonna.—Sympathetic influence of intestinal irritation: long continued Rheumatic pain: - Epidemic influence? -Various other causes inducing general debility in persons predisposed to Paralysis. - Illustration of these respectively from histories and dissections; and the modes in which they severally appear to act.
- 784. Inquiry into the PROXIMATE CAUSE OF PARALYSIS, as deducible from obvious morbid states of the Brain or Nerves discovered on examination after death; and difficulties still attending this, as well from the occasional absence of such perceptible states under actual Paralysis,—as from the frequent presence of them where no Paralysis had existed: General conclusion on this head.

702. heavous weakness may be constituted as free inflorings Joel such is the case in the Panalysis following lifester. of the houses, the County vis hearthup from our blown , proise Shile a sleep, are in tanne of this for this un un convenient or another, to find the lemostes of his transfer fundly side of the law fundly side of the state of the s thouse of the lower lients first, then cours, oferach the the the the the the the last concern the or the last concern towns tooks placement were tooking as if existing and file with our file with y well wholly mathe to recover himself.





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the Paralytic Seizure.
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- 785. Explanation why, in paralysis depending on the Brain, the Cause is very universally found on the side opposite to the paralytic affection:—exception to this.—Extensive field still open to Anatomical investigation on this subject; and great importance of it shewn, as the only means of ascertaining, not only the morbid influence, but likewise the natural functions of the Several Parts of the brain.
- 786. The DIAGNOSIS between Paralysis, and loss of voluntary motion from mechanical stiffness, or muscular inflammation, generally obvious; but these sometimes combined.—Paralysis also, occasionally attended with violent pain, rheumatic swelling, and spasms or tremor of the affected parts.—Essential distinction between transitive or periodic, and continued Paralysis.
- 787. Prognosis. This very different according to the form (781),—the degree,—and the cause of the affection; but generally unfavourable in Hemiplegia, especially in elderly, debilitated, or intemperate persons.—Bad signs,—gradual and progressive loss of feeling, with coldness and wasting of the parts.—Good signs,—prickling sensation,—flushing heat,—spasmodic twitching,—rheumatic and inflammatory swelling supervening.—Hemiplegia sometimes removed by spontaneous Epistaxis, or Hæmorrhoidal flux:—common explanation of the latter objected to, and another proposed.
- 788. The TREATMENT NECESSARILY VARIOUS, not only accordingly as the morbid state exists—(a.) in the Brain,—(b.) in the Nervous Cords,—or (c.) in the Sentient Extremities;—but also as its Exciting Cause (783) may be fixed or removeable,—or its Proximate

Cause consist in change of structure, or merely in suspended function:—whence the importance of previously investigating these points. The general indications then will be—1st, To remove any cause of compression still operating, whether from vascular turgescence, extravasation, effusion, tumour, &c.—2dly, To gradually re-excite the torpid portion of the Brain or Nerves to a sensible and active state.

789. Means adapted to these respectively; topical bleeding,—blisters,—setons,—issues:—remedies tending to equalize the distribution of the blood, and promote absorption, e. gr. mild diaphoretics;—gentle diffusive stimulants, as Liq. Ammoniæ Acetatis,—Ammoniæ Carbonas,—Semen Sinapeos,—Infus. Armoraciæ.—Bals. Peruvianum,—Ol. Terebinth, &c. External heat, by—tepid bathing, laconicum.—Electricity.—Stimulating the superficial nerves by warm plasters, Cantharides, urticatio?—Linimentum Ammoniæ,—Epithema Terebinthinæ,—Ung. Acidi Sulphurici,—et Linim. Sinapeos Ph. Nos. Guy.—Friction;—Regulation of Exercise, of Diet, and Clothing.—Change of climate.—Cold bath.—Tonics.

790. Adaptation of these remedies to the particular Seat and Degree of the disease (781) as well as to the nature and operation of the ascertained or probable Exciting cause (783), pointed out in the principal forms of the disease, e. gr. cerebral,—chordal,—and extremital, either separately or conjointly.—Strictures on the common, early, indiscriminate, and often pernicious employment of powerful stimulants, whether local or general; and directions for their management.

791. Observations on the use of Emetics,—Opium,
—Arnica,—Rhus Toxicodendron, &c. strongly recom-

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mendedd by some;—with an account of the success attending the gentle and repeated operation of particular cathartics.

OF EPILEPSY.

- 792. Etymology of the term.—Syn. Morbus sacer, comitalis, sonticus, &c. meaning and origin of these names.—Anglicè Falling Sickness, Fits.
- 793. CHARACTER. Sudden privation of Sense, accompanied with unusual Motions,—generally with violent Convulsion of all the Voluntary Muscles, and frothing at the mouth, followed by drowsiness or Sopor, great fatigue, and entire oblivion of the fit:—recurring at various intervals,—and often attacking during sleep.
- 794. Variety which takes place in the disease in different cases, and even in the same at different times,—with respect to the degree and frequency of the paroxysm,—to its coming on without warning, or being preceded by certain sensations referred to the head itself, or to distant parts (aura epileptica);—and lastly, to its effects upon the faculties of the mind and body;—illustrated by cases.
- 795. PREDISPOSING CAUSE.—A peculiarity of condition with respect to the Brain,—and probably also to the Nervous System in general;—perhaps always more or less connected with Original Conformation, and, therefore, often hereditary.—Male sex?
- 796. EXCITING CAUSES.—Whatever, under Epileptic tendency, either impairs the tone and vigour of the Nervous System in general, and of the Brain more particularly,—or communicates any mechanical shock, or

any very violent and unusual impressions to the Sensorium;—as blows, falls, or other external injuries; exostoses, tumours, abscesses, or ossific deposit, within the brain or on its containing parts; -similar causes affecting the Nervous Cords, or their Sentient Extremities, e. gr. parturition,—dentition,—worms in the alimentary canal, &c. - Mercurial and Arsenical irritation? -Tickling,—Venereal orgasm;—Sudden terror,—violent anger,-Intense Study. - Whatever disturbs the due balance of the Circulation, whether by occasioning excess or defect of blood in the head; as Inebriation,-Narcotic Poisons; -spontaneous Plethora, or the stoppage of customary discharges, whether of blood or other fluids; - Inanition: - Nervous Irritation in the eruptive stage of Small Pox, &c.—Artificial Repression, or Spontaneous Metastasis of various eruptive and other diseases, both acute and chronic.—Imitative propensity, particularly conspicuous in Children and Women.-Modes in which these may respectively be presumed to act.

797. PROXIMATE CAUSE. The nature of this extremely obscure, perhaps inscrutable;—not only as consisting in a diseased action of certain organs, with the natural and healthy operations of which we are little acquainted,—but as being, in different cases, connected with opposite External Conditions of the body, and removed by means tending to correct these respectively. Attempt to elucidate this point, by a consideration of the nice balance of functions necessary to general health; and the different effects that ultimately result from inequality in their degree, or from derangement in the order of their succession, according to the original disposition, or the acquired tendency of the human system.









-Explanation both of the periodic and accidental recur-

rence of Epilepsy upon this principle.

798. Enquiry into the nature of the Aura Epileptica; —and enumeration of circumstances tending to shew, that this sensation may arise from primary irritation of the Brain, giving a false reflex feeling of impression made upon distant parts.—Importance of determining this point, as occasionally necessary to direct certain measures in the treatment, where such sensation occurs.

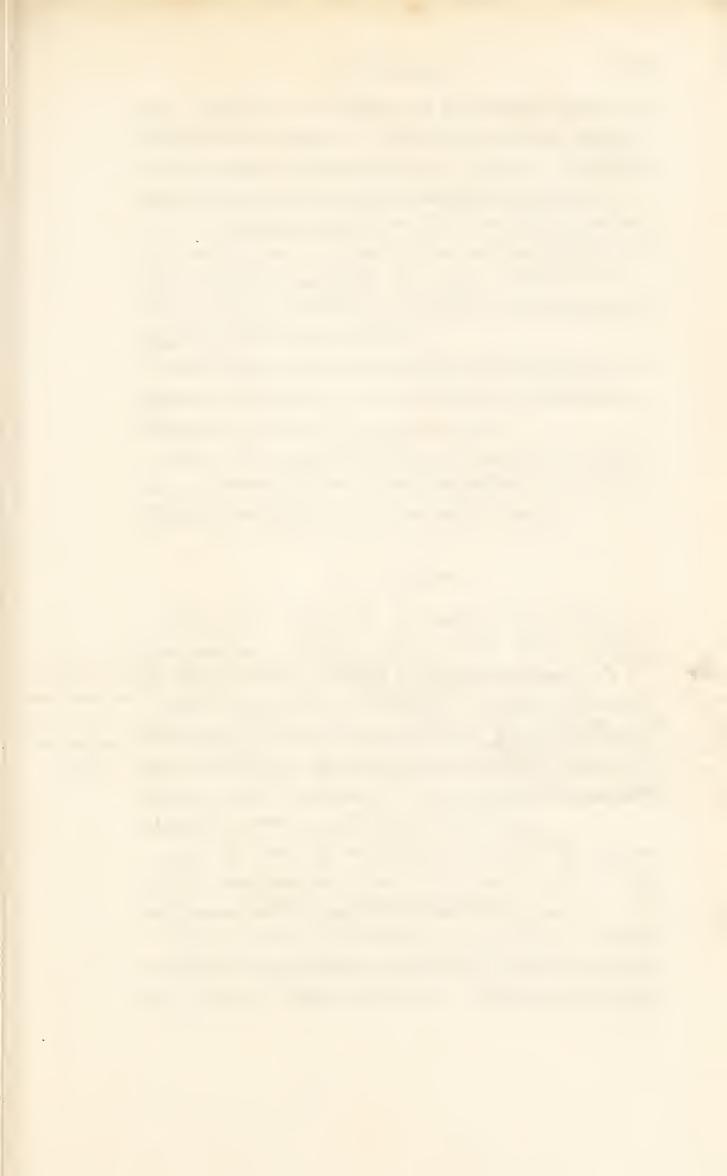
- 799. DIAGNOSIS. Remarks on the distinction made by Sauvages between Epilepsia and Eclampsia, and by Dr. Cullen between Epilepsy and Convulsion; and doubts of its validity.—Circumstances serving to discriminate genuine Epilepsy from Hysteric Convulsion (Eclampsia Hysterica, Sauv.); and from the feigned Epilepsy (Ep. simulata) of mendicant impostors.
- soo. Strictures on the numerous Nosological subdivisions of Epilepsy, as arising from individual exciting causes ascertainable only by dissection;—and arrangement of it in a practical and curative view, under a few general heads, viz. as proceeding primarily from the Brain (Ep. idiopathica,—spontanea,—cerebralis); from remote irritation (Ep. symptomatica, —verminosa,—calculosa,—parturientium, &c.);—from the effect of certain poisonous matters operating upon the Nervous System. (Ep. accidentalis,—venenosa,—febricosa,&c.);—from misplaced or metastatic morbid action, in various constitutional diseases liable to that kind of aberration. (Ep. exanthematica, &c.) from inherent propensity to imitation. (Ep. sympathica.)
- 801. PROGNOSIS,—To be drawn from the age,—constitution,—and habit of the patient;—from the dis-

ease being spontaneous, symptomatic, or accidental (800); —from the degree,—the frequency,—and the habit of its recurrence;—from its duration,—the effects it has produced,—and its being accompanied by, or alternating with, other complaints, &c. Always unfavourable where hereditary,—where with a particular shape of the head,—where it has impaired the memory or judgment,—has arisen from any violent shock, whether mechanical or mental—or has passed over the period of Puberty without being suspended.—Has sometimes been removed by Intermitting and other fevers, or by Eruptions on the skin:—Often induces fatuity,—occasionally mania, and now and then terminates in Apoplexy, Paralysis, or Hydrocephalus.

- 802. TREATMENT. But little can be done during the fit when violent, except restraining the patients from injuring themselves: best modes of this.—In the intervals, the plan must be conducted upon the general principles laid down in par. 800.—
- A. Of lessening or removing the particular Exciting Cause (796), if any such exist: The means of fulfilling this—(as far as practicable), deduced from par. 796—with instances of their success.
- B. Of correcting the obviously morbid state of the body in general, or of particular organs—whether consisting in plethora, or inanition,—in irritability,—in torpor,—or in cachexia;—by bloodletting general and topical; various modes of, and their advantages respectively under certain circumstances:—Issues, Setons, Blisters.—Generous diet.—Various metallic and other tonic, sedative, and antispasmodic remedies; e. gr. preparations of Zinc, Copper, Silver, and Iron:—Cold bath, exercise, friction:—Opium, Hyoscyamus, Vale-

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that by connect come the Disease is very oberious, but I very be of use. The Orlinearting Coural be the course A shilipry, then Penging will the best wouldy. When the laure her her been obviens, then the entil much of Joure Remed is has been useful, withour withou utispusmodics. of the hetallie Fouries. BB hero seur the legent lutias and worfel, also the Stones deries an Lufanations of offer. he has proin g for of the lay lette Day but Their produce Scatures of proces in too land dones, Herele also give a foremanent tings to of their hands and their, according to the degree forefrom In the obsticate form of the Complaint, the there is of of is charge from the Head lorger thewar any other Fire each as belin employed prequestly with once is but office with in he ain the Best when gove an anak out that it wise he week On trule attention the Downles and Her hein from a short culina





Job This Disease is confined to a faction law facion of helps and it Dan Dangerons; Detothicks his more common among fixes than longs; The weathness is sometimes so great as to produce Hemispheres, it is attended with obstincts exiting muchs and the Patrial is weather to revow her light, but Trans them after her.

By Himmentanas to its duration.

rian, Digitalis, &c.—Milk and Vegetable Diet;—or continued slow course of Alterative remedies directed by the particular kind of Cachexy present.—Recalling certain eruptions or excretions that had disappeared.

C. Of disconnecting the morbidly associated impressions and actions, by changing the previous habits and mode of life, to opposite and more natural ones;—Examples and authorities on this head, corroborating the principle laid down in par. 797.

803. Observations upon certain reputed specifics, Viz. Agaricus muscarius,—Viscus Quernus or Misseltoe,—

Orange-tree leaves,—Cinnabar, &c. &c.

804. Of the beneficial effects arising from the moderate impression of fear in the Sympathetic or Imitative Epilepsy;—illustrated by remarkable examples.

OF CHOREA.

805. Syn. Scelotyrbe of Galen, &c.—Chorea of the moderns;—Gallicè, Danse de St. Guy.—Anglicè St. Vitus's dance.—Origin of them respectively.

806. CHARACTER. Irregular, involuntary, and ludicrous motion of the voluntary muscles, generally affecting one or other side more especially;—without pain,—or obvious bodily complaint; occurring in both sexes, and chiefly between ten and sixteen years of age.

807. Account of the manner in which the disease usually commences,—the variety and degree of the

symptoms, and the period of its duration.

808. Causes;—Predisposing,—a peculiar condition of the Brain, generally connected with irritable and delicate frame of Body and Mind;—Exciting—whatever

weakens the system, or induces morbid irritation;—as Fevers,—Rheumatitis,—Terror,—Worms or saburra in the alimentary canal,—retrocession of eruptions, &c.

- 809. PROXIMATE CAUSE—obscure; but evidently connected with muscular mobility, and defective power of volition; with reasons for believing, that these arise from irritation of the brain, and this irritarion generally depending on Congestion.
- spasmodic diseases occuring during adolescence; but sometimes confounded with slight Hemiplegia in adults; and is occasionally a symptom of Hysteria in grown women. Account of some curious epidemic disorders resembling Chorea, which have prevailed in certain countries from the influence of superstition and fanaticism.—Description of the Chorea simulata, or Tarantism of Italy.
- 811. PROGNOSIS.—Chorea, though sometimes obstinate, is often cured spontaneously; and unless extremely violent, is seldom attended with any danger: but occasionally alternates with Acute Rheumatism (Rheumatitis) or is converted into Epilepsy, Paralysis, or Maniacal delirium.
- 812. TREATMENT deducible from 809, is supported by general experience; and consists in—
- A. Removing any morbid irritation present, whether from General Plethora, Cerebral congestion, or Sympathetic Erethism;—by Venesection? Doubts respecting the existence of general plethora in Chorea, and strictures on the practice of Sydenham.—Cupping,—Leeches,—and Blisters near, or upon the head.—By Purging;—great benefit of this in most cases of Chorea; and

812 Be show lear particular attention to the Renotions of the Prime Crown of there are a material station works for a forthe of the above as charge and after this promised here accounted to a proper discharge and after this promised here accounted to a proper with and Forces to rest to the Force of the agostion, Best has seen the judicious print the Force of the costs of the discharge of the di







examination of the mode in which it acts, and the articles most effectual for the purpose.—Recalling eruptions or discharges that had been suppressed.

B. Lessening the mobility of the Nervous and Muscular Systems in general, by allaying the morbid, and exciting a natural degree and kind of action in them;—by Opiates,—alone or with Diaphoretics:—Digitalis;—Stimulants; Electricity;—Tonics,—especially the preparations of Zinc,—Iron,—Copper,—Arsenic?—Argentum Nitratum;—Cinchona,—Myrrh;—Cold bath,—Affusion of cold water on the head:—Friction,—Muscular Exertion, &c.

OF HYSTERIA.

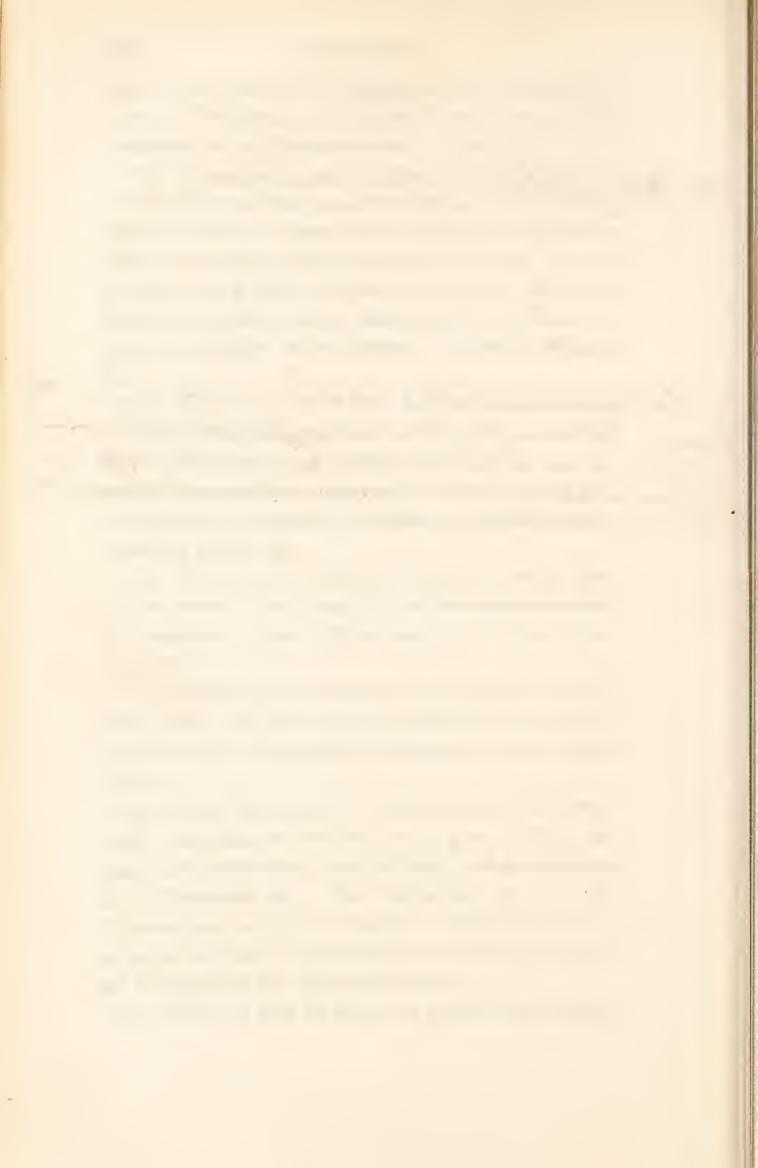
- 813. Origin of the term Hysteria.—Syn. Metromania;—Fr. Vapeurs;—Angl. Fits of the mother, Hysterics.
- 814. Character.—So great is the number, so varied the kind, and so rapid the change of symptoms in Hysteria, as to render a concise character extremely difficult;—there being few diseases of the Nervous Class, which are not occasionally imitated by, or connected with, Hysteric affection. The paroxysms, however, (which occur without any regularity) generally preceded by lassitude,—coldness of feet,—copious discharge of pale urine,—pain in the head, loins, or stomach, attended with borborygmi, globus hystericus, difficult breathing, feeling of strangulation, loss of sense, and violent Convulsions, Coma, or apparent Syncope, &c. and often end in fits of alternate laughing and crying.
- 815. The paroxysm sometimes alternates with the loss of voice (Aphonia hysterica),—temporary para-

lysis of particular parts (Dysphagia,—Ischuria, &c.)—Carus,—Catalepsy,—and various forms of mental derangement, e. gr. Nymphomania,—Fatuity, &c.

- 816. PREDISPOSING CAUSE,—a certain Mobility of the Nervous System, almost peculiar to females,—especially those of a sanguineous, plethoric, and irritable habit;—occurring chiefly between the age of 14 and 40 years,—and often obviously connected with some irregularity of the uterine function (813).—More frequent in cold than in hot climates:—probable cause of this.
- 817. EXCITING CAUSES.—Indolent life,—luxury,—violent passions and emotions of the mind;—irritation in the alimentary canal;—suppressed, painful, or excessive menstruation;—disagreeable odours, sights, &c.—repression or metastasis of Chronic Eruptions;—Intermitting Fevers, &c.
- 818. DIAGONIS—sometimes difficult, from the Proteiform nature of the complaint.—Circumstances serving to distinguish it from Hypochondriasis,—from Epilepsy, &c.
- 819. PROGNOSIS.—Hysteria rarely fatal in its own form, unless the paroxysm be induced by some very violent cause;—and generally disappears in the decline of life.
- much, according to the form or degree of the complaint, the constitution, habit of body, and condition in life of the patient, &c. The indications are—1st, In the paroxysm, to check its violence:—2dly, In the interval, to ascertain, and endeavour to lessen or remove, the Predisposing and Exciting Causes.
 - 821. The 1st may be done, in plethoric and robust

816. With light hair and fair complexion.

Disease, het more heartenland, affections of the vision, horning is sommewhall as the Sympaneter affection she had occurs in Trystoria, or much so as to huff, the bolty to an whood anany orga.



821 The chief the appears to be to took well the dabit and constitution of the Catient and Bougleon four means occordingly. after Polood letter for the latting to the view of the Porocles, as the featras by who ceated with cooliveurs, Caloud as hen somele in quantity and terstiles wile ans ever this affect, die 3 Stole for Mil Rose hynthe Caloud, if the is into the port our on the thomach is initable high from some started by the source is warm water The Patientisable Bowaltow Philologing autin may been bloged. speranotic mixture will be advantageout of the ansum falio. Big his thought zo of ather sulth into the Things. o. the fle trust: If the carme storallows the father from y ling family be author when the form of Surenay Inedward here drived from the Eighten, of her drefts. In Fygueronhaa St. her hever known any runds as effectual as the combination of them Lamphon; parting the Feet in waren water formenting the Party power celded.

825. The marked charactive their Disease is that the

habits, by Bloodletting,—by nauseating Emetics,—by the application of Cold, by Digitalis;—in others, by Opiates,—by stimulant and antispasmodic remedies, e. gr. Ammonia,—Æther,—Camphor,—Castor,—Musk,—Assafætida, &c. Warm Bath,—Pediluvium.

822. The means for effecting the 2d, will be directed by the presence of Plethora, or of Inanition, and a spare or full diet accordingly;—by adverting to, and correcting, the morbid state of individual functions and organs, particularly of the Stomach,—Intestines,—Uterus, &c.;—by regulating the Exercise,—Clothing,—Mind, and Amusements;—and sometimes, when practicable, changing the sexual condition of the patient.—By the use of various Metallic and other Tonic Remedies,—Cold Bathing,—&c. to lessen irritability and improve general strength.

OF HYPOCHONDRIASIS.

- 823. Derivation of the name.—Syn. Spleen,—Vapours,—Low Spirits.
- 824. Character.—Unusual anxiety, depression of spirits, and belief of present or dread of future evil, directed particularly to the state of health; always accompanied with symptoms of indigestion, and other marks of bodily disorder; and generally also with various, irregular, and often unaccountable sensations and affections, referred exclusively to the patient's imagination.
- 825. Detail of the more common and prominent symptoms, as they affect certain organs and functions, e. gr. those of the Stomach, Intestines, Skin, Kidneys,

Lungs, &c.;—as they occur in persons of different temperaments,—conditions,—habits of life—and particular idiosyncracies;—and as they assume, on the one hand, the variable, Corporeal, and Hysterical form,—or, on the other, the more fixed, Mental, and Melancholic one:—with their respective degrees, duration, or recurrence.—Account of some of the more singular and absurd notions entertained by hypochondriacs, and the strange resolutions formed in consequence.

- 826. PREDISPOSING CAUSE. A peculiarity of constitution with respect to the Brain and Nerves, generally original,—often hereditary,—and though not always distinguished by external character, yet obviously much more frequent in Males than in Females,—in advanced than in early life,—and in the Melancholic than in the Sanguineous temperament.
- with regard to eating;—indolent inactive life;—intense study, or anxious pursuit of business;—cold, damp, and variable state of the atmosphere, especially that succeeding the Autumnal Equinox;—Intermitting and Remitting fevers;—atonic, misplaced, or retrocedent Gout;—the stoppage of natural or customary discharges,—or the recession of certain cutaneous affections:—depressing passions, e. gr. Grief, Anxiety, and Fear, by whatever cause produced:—Change in the relative capacity of the Arteries and Veins, at a certain period of life. (556)—Enquiry into the reason why this disease is more frequent in England than in any other country.
- 828. Explanation of the circumstances in which these different causes would appear to concur in inducing—

826. Infield there who have dark hair and afair complexed this disease than there of an opposited character.





Pag. D. B. down and admit this and he has often seen the third is case in More that the Provells were regularly evenewated daily.

830 be generally think the distinction easy war ands Bys pepsia, we have only to enquire whithwhils of wints are much define food. Between hulancholin Stype chand. Setts. herows of no riffer never taking egree.

- 829. THE PROXIMATE CAUSE;—a sluggish and irregular action of the Nervous and Vascular Systems in general, but more especially apparent in the functions of the Alimentary Canal, and in the Sensorial operations of the Brain.—Account of the principal theories of the disease;—and an enquiry into the nature and extensive influence of the chylopoeietic process; - the striking sympathy, both neuropathic and secretory, existing between the Liver and Brain; -with conclusions drawn from thence,—supported by the concurring testimony of authors respecting certain facts noticed in the history of the disease from the earliest ages,—and corroborated by the superior success of a particular mode of treatment,—all tending to prove,—that THE PROXIMATE CAUSE OF HYPOCHONDRIASIS, in a curative view, CONSISTS IN A SLUGGISH AND IRREGULAR STATE OF THE HEPATIC FUNCTION.
 - limit between Hypochondriasis on the one hand, and Dyspepsia, Hysteria, or Melancholia, on the other;—not only from their having several symptoms in common, but from their being often combined together, and sometimes reciprocally passing into each other.—Marks serving to distinguish them, founded on a consideration of the patient's Age,—Sex,—Temperament,—Hereditary Constitution,—and Habits of Life;—the predominance of certain symptoms, as being local or general,—Corporeal or Mental;—and the circumstances under which the case may have been formerly relieved, cured, or converted into some other form.
 - 831. PROGNOSIS. This generally favourable in early life, especially in persons rather of the Sanguineous

Temperament, and where the disease has clearly arisen from causes operating primarily upon the Chylopoeietic organs; but the contrary in advanced age,—in those who are of the Melancholic Temperament,—and where it has either been caused by, or become intimately associated with, strong Mental Impressions.—Occasionally terminates in fixed Melancholia.—Has been frequently removed by other forms of disease supervening,—especially Diarrhæa, Fevers, Jaundice, Dropsy, &c.:—pathological conclusions deducible from this, and serving additionally to illustrate the nature of the proximate cause assigned (829).

- 832. TREATMENT. This must differ in different cases, and be directed more or less to the bodily or to the mental indisposition, accordingly as the one or the other is found to predominate. The principal indications, therefore, will be—
- A. To ascertain, and endeavour to correct, the particular dyspeptic or other morbid state of the Alimentary Canal, and of the organs more immediately connected therewith.—
- B. To restore to its proper seat or form, any other complaint, upon the removal or spontaneous cessation of which the Hypochondriacal affection had supervened.—
- C. To occupy the mind with naturally associated impressions of superior force; and thereby gradually weaken, and finally destroy, the morbid concatenation of ideas which had taken place.—Modes of doing this; with an account of the Amusements,—Exercises,—Clothing,—Diet,—and General Regimen proper for Constitutional Hypochondriacs.

832. The frincipal indreation is the heafen manage.

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attention to the Bowells, and here we have a record of which is franticularly weefel in falsonel, we prove a few for offered by afford for followed by a freeze in the floor.

B. In this Disease yn often have a pointiculus sensation and dequests of the Skin followed come on followed by a profunciolization sweet.





